ANNUAL REPORT
OF
OCEANOGRAPHIC OBSERVATIONS

VOLUME 32

해 양 조 사 연 보

제 32 권

1 9 8 3

LIBRARY

DEC 1 0 1984

National Marine Fisheries Service
2570 Dole Street
Honolulu, Hawaii

국 립 수 산 진 흥 원

Fisheries Research and Development Agency

Pusan, Korea

August, 1984

Digitized by the Internet Archive
in 2025

https://archive.org/details/annual-report-of-oceanographic-observations_1984-08_32

ANNUAL REPORT
OF
OCEANOGRAPHIC OBSERVATIONS

VOLUME 32

해 양 조 사 연 보

제 32 권

1 9 8 3

국 립 수 산 진 흥 원

Fisheries Research and Development Agency

Pusan, Korea

August, 1984

海 洋 調 査 者

(OCEANOGRAPHIC RESEARCHERS)

海洋調査科	水産研究官	林 琦 琫	(Ki Bong LIM)
(Oceanography	水 産 技 正	孫 英 秀	(Young Soo SOHN)
Section)	水産研究官	李 三 頌	(Sam Seuk LEE)
	〃	金 福 起	(Bok Kee KIM)
	水産研究士	尹 且 安	(Cha Ahn YUN)
	〃	朴 祥 正	(Sang Jeong PARK)
	〃	趙 榮 朝	(Yeong Jo JO)
	〃	鄭 昌 洙	(Chang Su JUNG)
	〃	韓 炯 均	(Hyeong Kyun HAN)
	〃	崔 順 鎬	(Sun Ho CHOI)
	〃	鄭 義 哲	(Eui Cheol JEONG)
	〃	朴 榮 冠	(Young Kwan PARK)
	〃	康 英 實	(Young Sil KANG)
	〃	尹 金 榮	(Geum Young YOUN)
	雇 傭 員	河 盛 學	(Sung Hak HA)
浦 項 支 院	水産研究官	徐 學 根	(Hack Kern SUH)
(Pohang	〃	孫 武 翼	(Mu Ick SON)
Branch)	水産研究士	孫 松 正	(Song Jueng SON)
	水 産 技 士	金 興 燮	(Hung Sub KIM)
注文津支院	水産研究官	李 生 東	(Saeng Dong LEE)
(Chumunjin	〃	張 貞 源	(Jung Won CHANG)
Branch)	〃	金 容 鐵	(Yong Chul KIM)
	水産研究士	曺 哲 鉉	(Suck Hyun JO)
	〃	李 彩 成	(Chae Sung LEE)
群 山 支 院	水 産 技 正	柳 重 汻	(Jung Oh YU)
(Kunsan	水産研究官	金 伯 均	(Baek Kyun KIM)
Branch)	水産研究士	金 善 雄	(Sun Ung KIM)
	〃	白 宰 旼	(Jea Min BAEK)

目　　次

資料 및 方法 ………………………………………… 3
凡　　例 ………………………………………… 7

第一編　沿岸定地　海洋　觀測　成績 ………………………………………… 11

沿岸定地　海洋觀測點　位置圖 ………………………………………… 13
沿岸定地　海洋觀測點　位置表 ………………………………………… 14
沿岸定地　月別　表面水溫 ………………………………………… 15
沿岸定地　月別　氣溫 ………………………………………… 21

第二編　定線　海洋　觀測　成績 ………………………………………… 27
（水溫，鹽分，酸素 및　氣象觀測資料）

定線　海洋觀測點　位置圖 ………………………………………… 31
定線　海洋觀測點　位置表 ………………………………………… 32
(1)　東海　海洋調查　成績 ………………………………………… 35
(2)　南海　海洋調查　成績 ………………………………………… 291
(3)　西海　海洋調查　成績 ………………………………………… 399

第三編　韓日共同　海洋　觀測　成績 ………………………………………… 509

韓日共同　海洋觀測點　位置圖 ………………………………………… 511
韓日共同　海洋觀測點　位置表 ………………………………………… 512
韓日共同　海洋調查　成績 ………………………………………… 513

第四編　浮游生物　調查　成績 ………………………………………… 541

(1)　東海　浮游生物調查　成績 ………………………………………… 543
(2)　南海　浮游生物調查　成績 ………………………………………… 553
(3)　西海　浮游生物調查　成績 ………………………………………… 563

CONTENTS

DATA AND METHOD 5

EXPLANATIONS 9

PART 1. COASTAL OCEANOGRAPHIC DATA 11

Location of the shore stations 13

Position of the shore stations 14

Surface water temperature at the shore stations 15

Air temperature at the shore stations 21

PART 2. SERIAL OCEANOGRAPHIC DATA 27

(Temperature, Salinity, Oxygen and Meteorological Data)

Location of the serial oceanographic stations 31

Position of the serial oceanographic stations 32

(1) Oceanographic Data : Eastern Waters 35

(2) Oceanographic Data : Southern Waters 291

(3) Oceanographic Data : Western Waters 399

PART 3. KOREA–JAPAN COOPERATIVE OCEANOGRAPHIC DATA

Location of the oceanographic stations 511

Position of the oceanographic stations 512

Oceanographic Data 513

PART 4. PLANKTON DATA 541

(1) Plankton Data : Eastern Waters 543

(2) Plankton Data : Southern Waters 553

(3) Plankton Data : Western Waters 563

資料 및 方法

本 年報에 收錄된 資料는 1983年 當院에서 調査한 沿岸定地海洋觀測資料, 定線海洋觀測資料와 浮游生物調査資料를 다음과 같이 綜合하였다.

第一編: 沿岸定地 海洋觀測成績

1983年 韓國近海의 41個 沿岸定地觀測點에서 每日 1回(10時) 水溫, 氣溫 및 氣象調査를 實施한 資料中에서 表面 水溫과 氣溫의 每旬別 平均値를 算出하여 收錄하였다.

第二編: 定線海洋觀測成績

1983年 韓國近海의 定線 21個線(東海: 8個線, 南海: 7個線, 西海: 6個線)에서 隔月로 實施한 定線海洋觀測調査資料를 電子計算機(Qnix 8000)로서 觀測資料의 標準化處理 및 力學計算을 實施 收錄하였다.

第三編: 韓日共同海洋觀測成績

"第二編"의 定線 海洋觀測點과 重複되지 않는 12個 定點에 對한 資料를 收錄하였으며 資料의 處理는 "第二編"과 同一하다.

第四編 : 浮游生物調査成績

定線海洋觀測時 Norpac net (網目 0.33 ㎜)를 使用하여 海域別로 東海는 一般的으로 100 m, 西海 및 南海는 底層에서 表面까지 0.5～1 m／sec.의 速度로써 垂直 採集하여 約 5 %의 中性 Formalin 으로 固定하였다.

採集된 浮游生物 試料는 實驗室에서 大形인 腔腸類 甲殼類 및 被囊類 等을 除去한후 容積測定法에 依한 沈澱量과 重量測定法에 依한 濕重量을 測定하였으며 Copepoda, Chaetognatha, Amphipoda, Euphausiacea 의 個體數를 計數 表示하였다.

끝으로 定線海洋觀測資料의 標準化 處理 및 力學計算에 協助하여 주신 當院 電算室 李茂根氏에게 謝意를 表합니다.

DATA AND METHOD

The annual report contains the data of the coastal and serial oceanographic observations and plankton measurement conducted in Korean Waters in 1983, and the procedures are as follows.

PART 1 ; COASTAL OCEANOGRAPHIC DATA

The daily observation of once a day (at 10 a.m.) were carried out for surface water temperature, air temperature and meteorological factors at 41 fixed stations in the Korean coastal waters.

For summarization of the data, monthly every ten-day average values of surface water temperature and air temperature were tabulated.

PART 2 ; SERIAL OCEANOGRAPHIC DATA

The serial oceanographic observations were carried out bimonthly on 21 fixed lines in Korean Waters, in February, April, June, August, October and December 1983. The water temperature, salinity, dissolved oxygen and meteorological factors were measured.

The collected data were processed by micro computer (Qnix 8000).

PART 3 ; KOREAN-JAPAN COOPERATIVE OCEANOGRAPHIC DATA

The data was collected from 12 stations that were not overlapping with the serial oceanographic stations in PART 2, and the data was proccessed by the same method as in PART 2.

PART 4 ; PLANKTON DATA

The Plankton samples were vertically collected by a Norpac net (mesh size, 0.33㎜) from genereally 100m in the Eastern Sea, and at the bottom of the Western Sea and Southern Sea of Korea at about 0.5 - 1.0m/sec. Each sample was fixed in about 5% neutral formalin.

For the quantitative examination of the plankton in the laboratory, the settling volume and the wet weight measurements were carried out after removing the large sized plankton (such as Hydromedusae, Scyphomedusae and Doliolum) over 2㎝.

The individual number of Copepoda, Chaetognatha, Amphipoda and Euphausiacea in each sample were counted under a microscope and given in the table.

凡　　　例

○ 定線海洋觀測資料

表　題 (表面　環境　情報)

位　置 ： 韓國　定線海洋觀測點　番號

緯　度 ： 北緯　度數와　分，1/10分　表示

36 - 30.5 N → 36° 30' 30" N

經　度 ： 東經　度數와　分，1/10 分　表示

日　字 ： 大韓民國　標準時에　의거한　年，月，日

時　刻 ： 東經　135° 의　子午線을　基準한　大韓民國　標準時

水　深 ： 底層까지의　총깊이 (m表示)

水　色 ： Forel 水色標準液의　水色番號 (1 - 11)

透明度 ： 直徑　30 ㎝의　白色　透明度板에　依한　測定 (m表示)

波　浪 ： 方向은　16 方位 (磁針方位)

階級은　10 階級法 (0 ～ 9) 으로　表示

너　울 ： 方向은　波浪과　同一，階級은　4 階級法 (0 ～ 3) 으로　表示

바　람 ： 方向은　16 方位 (磁針方位)

階級은　Beaufort　風力階級으로　表示

氣　壓 ： Aneroid 氣壓計에　의해　mb 로　表示

氣　溫 ： 乾球溫度를　℃로　表示

天　氣　:　天氣는　現在狀態를　아래와　같이　表示

快晴(B) : 雲量 0 ~ 2, 개임 (BC) : 雲量 3 ~ 7, 흐림 (C) : 雲量 8 ~ 10, 비 (R), 안개 (F), 눈 (S)

구　름　:　雲形은　10種雲形法으로　觀測

雲量은　天空의　10等分法에　依하여　目測

觀　測 (表面下　觀測)

水　深　:　資料　採集　水深 (m)

水　溫　:　轉倒溫度計로　測定하여　1/100℃ 까지　表示

鹽　分　:　電氣傳導度　鹽分計로　測定하고　千分率 (‰) 로　表示

酸　素　:　윈클러方法의　나카이 (中井)　改良方法으로　測定하고　$m\ell/\ell$ 로 表示

補　插　法

水　深　:　標準層의　水深 (m)

水溫, 鹽分, 酸素　:　觀測資料를　標準層에　一致

計　　算

密　度　:　g/ℓ 로　表示

D－T　:　Thermosteric anomaly　10^{-5} cm^3/g

SVA　:　現場比容　anomaly　10^{-5} cm^3/g

D-DY　:　力學深度　anomaly

EXPLANATION

SERIAL OCEANOGRAPHIC STATION DATA

Heading(Surface environmental information)

STATION	:	Korean serial oceanographic stations No.
LATITUDE	:	Given in degrees, minutes and tenths of minutes with hemisphere indicated by N.
LONGITUDE	:	Given in degrees, minutes and tenths of minutes with hemisphere indicated by E.
DATE	:	Given in month and day as determined by KST.
TIME	:	Time of the beginning of observations given in hour and minute by KST referred to the meridian of 135° E.
DEPTH	:	Depth to bottom given in whole meters.
COLOR	:	Water color given according to Forel scale (1 ~ 11).
TRANS	:	Transparency given in whole meters as determined by Secchi disc.
WAVE DIR/A	:	Direction of waves given in 16 point scale of the compass bearing, from which dominant waves are coming, and sea state (A) according to WMO code 3700 (Scale 0 ~ 9).
SWELL DIR/A	:	Direction of swell given in 16 point scale of the compass bearing, from which dominant waves are coming, and sea state (A) according to scale 0~3.
WIND DIR/A	:	Direction of wind given in 16 point scale of the compass bearing, from which wind is blowing, and wind force (F) in Beaufort scale.
BARO	:	Barometric pressure given in millibars.
AIR TEMP DRY	:	Dry-bulb temperature given in degrees celsius.

WEATHER : Recorded in present weather: the abbreviations and the cloud cover are as follows;
B: 0~2, BC: 3~7, C: 8~10,
R: Rain, F: Fog, S: Snow.

CLOUD T : Cloud type recorded in ten type of the cloud.
A : Cloud amount recorded in tenths of whole sky covered.

Observed (Subsurface observations)

DEPTH : Depth of sample given in whole meters.
TEMP : Temperature given in degrees celsius.
SAL : Salinity given in parts per thousand as determined by the inductive salinometer.
O_2 : Dissolved Oxygen given in milliliters per liter as determined by the Nakai modification of the Winkler method.

Interpolated

DEPTH : Standard depths (IAPSO equivelent) given in whole meters.
TEMP, SAL, O_2 : Corresponding to the explanation of observed data.

Calculated

SIGMA-T : Given in grams per liter.
D-T : Thermosteric anomaly (D-T) given in $10^{-5} cm^3/g$
SVA : Specific volume anomaly (SVA) given in $10^{-5} cm^3/g$
D-DY : Dynamic depth anomaly (D-DY) given in dynamic meters.

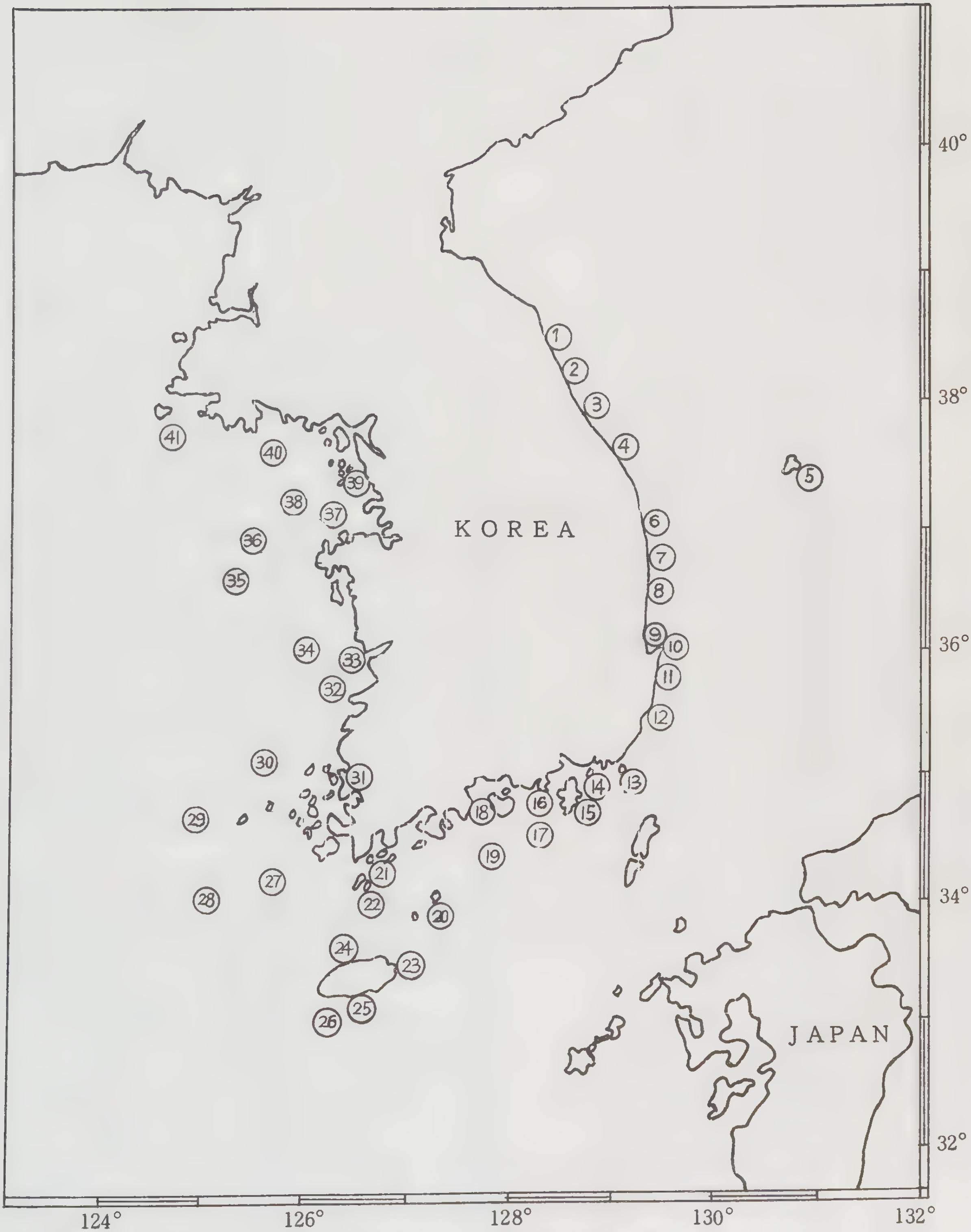
第一編

沿岸定地海洋観測成績

PART 1

COASTAL OCEANOGRAPHIC DATA

1983



沿岸定地　海洋觀測點　位置圖
Location of the shore stations

沿岸定地 海洋觀測點 位置表

Position of the shore stations

해 역 Region	번호 №	관 측 지 명 Name of the Station		위 치 Position 북 위 Lat. (N)	동 경 Long. (E)	관측회수 Frequency of Observation	관측개시년월 Date of Inauguration
동해안 East Coast	1	거 진	Kŏjin	38°28′30″	128°26′00″	매일 Daily ※	1967. 4
	2	속 초	Sokch'o	38°12′32″	128°36′18″	매일 Daily 〃	1967. 4
	3	주문진	Chumunjin	37°53′15″	128°50′00″	매일 Daily 〃	1952. 8
	4	묵 호	Muk'o	37°32′58″	129°07′15″	매일 Daily 〃	1967. 6
	5	울릉도	Ullŭngdo	37°29′00″	130°54′35″	매일 Daily 〃	1931. 11
	6	죽 변	Chukpyŏn	37°03′28″	129°26′00″	매일 Daily 〃	1916. 7
	7	후 포	Hup'o	36°40′42″	129°27′42″	매일 Daily 〃	1968. 9
	8	축 산	Ch'uksan	36°30′29″	129°27′37″	매일 Daily 〃	1968. 4
	9	포 항	P'ohang	36°02′56″	129°26′10″	매일 Daily 〃	1946. 7
	10	장기갑	Changgigap	36°04′35″	129°34′30″	매일 Daily 〃	1916. 7
	11	감 포	Kamp'o	35°48′20″	129°30′40″	매일 Daily 〃	1967. 5
	12	울 기	Ulgi	35°29′28″	129°26′50″	매일 Daily 〃	1939. 1
남해안 South Coast	13	부 산	Pusan	35°05′08″	129°02′07″	매일 Daily 〃	1925. 3
	14	가덕도	Kadŏkto	34°59′20″	128°49′50″	매일 Daily 〃	1930. 1
	15	서이말	Sŏimal	34°47′00″	128°44′10″	매일 Daily 〃	1967. 4
	16	충 무	Ch'ungmu	34°49′55″	128°24′40″	매일 Daily 〃	1979. 5
	17	욕지도	Yokchido	34°40′50″	128°10′35″	매일 Daily 〃	1969. 1
	18	여 수	Yŏsu	34°44′00″	127°44′00″	매일 Daily 〃	1921. 1
	19	소리도	Sorido	34°24′15″	127°48′15″	매일 Daily 〃	1928. 4
	20	거문도	Kŏmundo	34°00′30″	127°19′15″	매일 Daily 〃	1916. 7
	21	완 도	Wando	34°19′10″	126°45′00″	매일 Daily 〃	1967. 9
	22	자지도	Chajido	34°05′20″	126°36′15″	매일 Daily 〃	1928. 4
	23	우 도	Udo	33°29′10″	126°58′10″	매일 Daily 〃	1967. 4
	24	산 지	Sanji	33°31′10″	126°33′00″	매일 Daily 〃	1923. 10
	25	서귀포	Sŏgwip'o	33°13′30″	126°34′45″	매일 Daily 〃	1963. 1
	26	마라도	Marado	33°06′45″	126°16′20″	매일 Daily 〃	1923. 10
서해안 West Coast	27	죽 도	Chukto	34°13′30″	125°51′00″	매일 Daily 〃	1916. 7
	28	소흑산도	Sohŭksando	34°05′30″	125°06′05″	매일 Daily 〃	1925. 10
	29	홍 도	Hongdo	34°42′30″	125°13′00″	매일 Daily 〃	1933. 1
	30	칠발도	Ch'ilbaldo	34°47′25″	125°47′30″	매일 Daily 〃	1967. 5
	31	목 포	Mokp'o	34°46′40″	126°23′05″	매일 Daily 〃	1928. 8
	32	말 도	Maldo	35°51′15″	126°19′10″	매일 Daily 〃	1967. 4
	33	군 산	Kunsan	35°59′15″	126°43′00″	매일 Daily 〃	1939. 4
	34	어청도	Ŏch'ŏngdo	36°06′40″	125°59′15″	매일 Daily 〃	1916. 7
	35	격열비도	Kyŏngyolbido	36°37′15″	125°33′20″	매일 Daily 〃	1916. 7
	36	목덕도	Moktŏkto	36°55′40″	125°45′30″	매일 Daily 〃	1967. 9
	37	부 도	Pudo	37°08′40″	126°21′00″	매일 Daily 〃	1926. 1
	38	선미도	Sŏnmido	37°17′10″	126°04′45″	매일 Daily 〃	1967. 7
	39	월미도	Wolmido	37°28′25″	126°36′30″	매일 Daily 〃	1967. 4
	40	연평도	Yŏnp'yŏngdo	37°38′55″	125°41′10″	매일 Daily 〃	1967. 5
	41	소청도	Soch'ŏngdo	37°45′00″	124°44′00″	매일 Daily 〃	1916. 7

※ 매일 오전 10시 관측, At 10 A.M.

沿岸定地 月別 表面水溫

Surface water temperature of the shore stations

(단위 : ℃)

월 Month	관측점 Station / 순 Ten day	① 거 진 Kŏjin	② 속 초 Sokch'o	③ 주문진 Chumunjin	④ 묵 호 Muk'o	⑤ 울릉도 Ullŭngdo	⑥ 죽 변 Chukpyŏn	⑦ 후 포 Hup'o
1 월 Jan.	상 순 1st	6.54	7.31	8.20	9.75	13.58	12.08	11.94
	중 순 2nd	4.98	5.41	6.70	8.05	12.06	11.16	10.71
	하 순 3rd	4.61	5.25	7.17	8.16	11.49	9.99	10.29
	월평균 Mean	**5.38**	**5.99**	**7.36**	**8.65**	**12.38**	**11.08**	**10.98**
2 월 Feb.	상 순 1st	4.02	5.10	6.41	7.36	12.16	9.20	10.21
	중 순 2nd	3.81	4.45	5.01	6.48	10.86	8.75	9.88
	하 순 3rd	2.33	4.00	4.46	5.95	11.11	8.20	10.06
	월평균 Mean	**3.39**	**4.52**	**5.29**	**6.60**	**11.38**	**8.72**	**10.05**
3 월 Mar.	상 순 1st	2.76	4.84	4.80	5.97	10.79	9.25	9.52
	중 순 2nd	3.55	5.33	5.31	5.46	10.44	9.04	8.90
	하 순 3rd	4.61	5.81	5.59	6.18	9.75	7.99	10.47
	월평균 Mean	**3.64**	**5.33**	**5.23**	**5.87**	**10.33**	**8.76**	**9.63**
4 월 Apr.	상 순 1st	4.64	5.27	6.47	6.22	10.01	7.94	10.53
	중 순 2nd	5.66	8.16	7.53	7.84	11.19	9.35	10.56
	하 순 3rd	5.83	6.31	6.79	7.23	12.12	7.10	10.88
	월평균 Mean	**5.38**	**6.58**	**6.93**	**7.10**	**11.11**	**8.13**	**10.66**
5 월 May	상 순 1st	5.94	7.08	6.43	5.64	13.47	7.94	12.03
	중 순 2nd	8.75	10.51	9.78	10.21	14.29	10.59	12.04
	하 순 3rd	10.21	11.79	11.25	10.74	15.05	11.22	12.21
	월평균 Mean	**8.30**	**9.79**	**9.15**	**8.86**	**14.27**	**9.92**	**12.09**
6 월 Jun.	상 순 1st	11.28	12.93	13.53	11.81	16.57	14.15	11.82
	중 순 2nd	14.56	14.98	14.90	14.77	17.29	15.72	11.53
	하 순 3rd	15.54	16.19	16.17	15.78	18.63	16.59	15.57
	월평균 Mean	**13.79**	**14.70**	**14.87**	**14.12**	**17.50**	**15.49**	**12.97**
7 월 Jul.	상 순 1st	16.14	15.74	16.06	17.80	20.28	17.85	18.68
	중 순 2nd	15.56	15.66	15.81	15.50	20.26	16.09	18.89
	하 순 3rd	18.46	19.35	18.17	18.11	21.75	17.19	21.19
	월평균 Mean	**16.72**	**16.92**	**16.68**	**17.14**	**20.76**	**17.04**	**19.59**
8 월 Aug.	상 순 1st	23.30	23.11	23.04	16.72	23.68	21.86	22.62
	중 순 2nd	23.15	23.52	24.27	18.28	24.56	22.13	23.22
	하 순 3rd	21.91	21.49	22.08	18.40	23.57	23.14	22.68
	월평균 Mean	**22.79**	**22.71**	**23.13**	**17.80**	**23.94**	**22.38**	**22.84**
9 월 Sep.	상 순 1st	23.09	22.71	22.97	20.87	24.12	22.45	23.36
	중 순 2nd	22.62	22.17	22.26	20.31	23.62	22.69	23.06
	하 순 3rd	21.55	21.01	21.49	20.25	22.96	22.35	22.30
	월평균 Mean	**22.42**	**21.96**	**22.24**	**20.48**	**23.57**	**22.50**	**22.91**
10 월 Oct.	상 순 1st	19.77	19.51	20.06	20.12	20.85	21.64	21.07
	중 순 2nd	18.49	17.58	18.53	18.89	19.88	19.73	19.71
	하 순 3rd	16.72	16.05	16.99	16.94	18.83	18.17	17.73
	월평균 Mean	**18.33**	**17.71**	**18.53**	**18.65**	**19.85**	**19.85**	**19.50**
11 월 Nov.	상 순 1st	16.49	15.53	16.32	16.72	18.20	16.91	16.39
	중 순 2nd	14.94	13.27	13.86	14.67	17.80	14.73	14.30
	하 순 3rd	13.57	13.28	12.97	12.59	17.07	14.14	13.32
	월평균 Mean	**15.00**	**14.03**	**14.38**	**14.66**	**17.69**	**15.26**	**14.67**
12 월 Dec.	상 순 1st	12.29	11.60	12.79	13.14	15.48	13.20	14.91
	중 순 2nd	11.33	10.79	11.52	10.81	14.43	11.83	15.40
	하 순 3rd	8.99	9.57	10.45	9.24	13.30	11.44	13.89
	월평균 Mean	**10.87**	**10.65**	**11.59**	**11.06**	**14.40**	**12.16**	**14.73**
년 Year	년평균 Mean	12.17	12.57	12.95	12.58	16.43	14.27	15.05

월 Month	관측점 Station / 순 Ten day	⑧ 축 산 Ch'uksan	⑨ 포 항 P'ohang	⑩ 장기갑 Changgigap	⑪ 감 포 Kampo	⑫ 울 기 Ulgi	⑬ 부 산 Pusan	⑭ 가덕도 Kadŏkdo
1 월 Jan.	상 순 1st	11.18	9.44	11.25	13.80	13.02	12.68	11.15
	중 순 2nd	9.98	8.53	9.94	12.69	12.41	10.72	11.12
	하 순 3rd	10.06	8.55	8.90	12.28	11.00	11.07	10.49
	월평균 Mean	10.41	8.84	10.03	12.92	12.14	11.49	10.92
2 월 Feb.	상 순 1st	10.13	8.92	8.91	12.23	12.34	11.28	10.23
	중 순 2nd	10.21	8.10	9.43	10.82	11.88	10.06	10.11
	하 순 3rd	9.04	8.90	10.24	11.19	11.06	10.29	10.83
	월평균 Mean	9.79	8.64	9.53	11.41	11.76	10.54	10.39
3 월 Mar.	상 순 1st	10.50	9.29	10.07	11.37	11.13	11.54	10.17
	중 순 2nd	11.23	9.68	10.78	10.98	11.21	12.88	10.93
	하 순 3rd	11.92	10.82	11.90	12.05	11.82	12.41	11.41
	월평균 Mean	11.22	9.93	10.92	11.47	11.39	12.28	10.84
4 월 Apr.	상 순 1st	12.83	11.34	11.17	12.12	12.88	12.87	12.00
	중 순 2nd	13.16	12.59	12.92	12.90	12.79	13.37	13.59
	하 순 3rd	9.03	11.20	12.95	11.38	13.00	13.84	14.24
	월평균 Mean	11.67	11.71	12.35	12.13	12.89	13.36	13.28
5 월 May	상 순 1st	7.87	8.57	13.05	12.99	13.55	14.02	14.88
	중 순 2nd	7.84	11.83	13.27	12.71	14.48	14.88	15.83
	하 순 3rd	10.80	14.70	14.35	14.25	16.19	16.12	16.66
	월평균 Mean	8.84	11.70	13.56	13.32	14.74	15.01	15.79
6 월 Jun.	상 순 1st	12.94	13.53	14.99	13.80	16.68	17.48	18.03
	중 순 2nd	13.73	15.31	15.57	15.14	15.97	17.51	18.06
	하 순 3rd	15.50	18.17	17.95	17.84	18.31	19.24	19.78
	월평균 Mean	14.06	15.67	16.17	15.59	16.99	18.08	18.62
7 월 Jul.	상 순 1st	19.68	20.27	20.91	18.95	18.88	20.09	20.35
	중 순 2nd	19.50	21.07	21.41	20.25	18.97	20.36	20.75
	하 순 3rd	19.11	19.53	21.16	18.10	14.99	19.58	21.98
	월평균 Mean	19.43	20.29	21.16	19.10	17.61	20.01	21.03
8 월 Aug.	상 순 1st	21.44	22.14	21.50	18.76	15.63	21.79	22.96
	중 순 2nd	24.41	24.28	22.44	23.13	22.43	24.35	24.49
	하 순 3rd	23.51	23.32	24.05	24.22	24.06	25.10	25.40
	월평균 Mean	23.12	23.25	22.66	22.04	20.71	23.75	24.28
9 월 Sep.	상 순 1st		23.92	26.44	23.90	22.81	24.14	24.44
	중 순 2nd		23.15	23.83	23.86	23.22	23.74	23.55
	하 순 3rd		22.28	22.54	23.05	23.15	22.60	23.54
	월평균 Mean		23.12	24.27	23.60	23.06	23.49	23.84
10 월 Oct.	상 순 1st		20.76	21.21	22.03	21.82	21.93	21.73
	중 순 2nd		20.19	19.38	20.72	20.73	21.11	20.33
	하 순 3rd		18.61	17.23	19.63	19.15	19.28	18.59
	월평균 Mean		19.85	19.27	20.79	20.57	20.77	20.22
11 월 Nov.	상 순 1st		16.71	16.82	18.14	17.87	17.93	17.18
	중 순 2nd		14.43	13.47	16.36	16.38	16.24	15.66
	하 순 3rd		12.59	13.28	14.96	15.06	13.47	13.58
	월평균 Mean		14.58	14.52	16.49	16.44	15.88	15.46
12 월 Dec.	상 순 1st		11.40	12.23	13.70	13.48	12.17	12.60
	중 순 2nd		9.78	11.01	12.76	12.75	11.51	12.26
	하 순 3rd		8.48	10.43	11.75	12.07	10.22	10.96
	월평균 Mean		9.89	11.22	12.74	12.77	11.30	11.94
년 Year	년평균 Mean		14.79	15.47	15.97	15.92	16.33	16.38

월 Month	관측점 Station 순 Ten day	⑮ 서이말 Sŏimal	⑯ 충 무 Ch'ungmu	⑰ 욕지도 Yokchido	⑱ 여 수 Yŏsu	⑲ 소리도 Sorido	⑳ 거문도 Kŏmundo	㉑ 완 도 Wando
1 월 Jan.	상 순 1st	12.32	8.58	12.26	7.70	14.06	13.60	9.54
	중 순 2nd	12.46	6.89	12.59	7.00	12.81	13.45	8.31
	하 순 3rd	12.22	6.46	12.02	5.82	12.22	13.20	7.57
	월평균 Mean	12.33	7.31	12.29	6.84	13.03	13.42	8.47
2 월 Feb.	상 순 1st	12.14	7.92	9.42	5.61	12.07	12.33	8.58
	중 순 2nd	11.73	6.77	9.93	5.66	11.05	12.29	7.20
	하 순 3rd	11.76	6.34	9.94	4.91	9.90	11.89	6.56
	월평균 Mean	11.88	7.01	9.76	5.39	11.01	12.17	7.45
3 월 Mar.	상 순 1st	11.63	8.46		6.29	10.21	12.02	8.01
	중 순 2nd	12.16	9.88		7.92	12.16	12.44	8.35
	하 순 3rd	12.50	11.27		9.08	12.30	12.56	10.12
	월평균 Mean	12.10	9.87		7.76	11.56	12.34	8.83
4 월 Apr.	상 순 1st	12.79	12.43		10.64	12.84	12.14	11.84
	중 순 2nd	13.44	13.56		12.72	13.28	12.18	12.49
	하 순 3rd	13.46	14.50		14.02	13.34	14.17	13.62
	월평균 Mean	13.23	13.50		12.46	13.15	12.83	12.65
5 월 May	상 순 1st	13.64	15.39		14.93	13.79	14.39	14.55
	중 순 2nd	14.64	16.50		16.20	14.68	14.72	15.82
	하 순 3rd	15.70	17.46		18.28	15.39	15.37	16.64
	월평균 Mean	14.66	16.45		16.47	14.62	14.83	15.67
6 월 Jun.	상 순 1st	16.64	19.15	18.69	19.68	16.58	17.13	17.94
	중 순 2nd	16.84	19.36	18.37	19.08	18.00	17.80	18.35
	하 순 3rd	18.21	20.25	19.32	18.78	19.26	18.29	19.16
	월평균 Mean	17.23	19.59	18.79	19.18	17.95	17.74	18.48
7 월 Jul.	상 순 1st	19.29	21.25	21.44	20.26	19.77	20.05	20.54
	중 순 2nd	18.59	21.41	20.45	20.53	19.41	21.97	20.56
	하 순 3rd	16.46	21.78	21.95	20.82	22 30	23.06	20.46
	월평균 Mean	18.11	21.48	21.28	20.54	20.49	21.69	20.52
8 월 Aug.	상 순 1st	18.36	23.70	24.00	21.56	24.27	25.20	21.63
	중 순 2nd	23.68	22.74	22.32	21.24	24.85	25.21	21.15
	하 순 3rd	24.71	25.94	25.90	25.39	25.01	25.61	24.06
	월평균 Mean	22 25	24.13	24.07	22.73	24.71	25.34	22.28
9 월 Sep.	상 순 1st	23.14	25.69	26.24	25.95	25.12	24.85	24.59
	중 순 2nd	23.49	23.37	24.63	24.23	24.27	24.23	23.39
	하 순 3rd	23.67	23.09	23.23	23.32	24.14	24.41	22.86
	월평균 Mean	23.43	24.05	24.70	24.50	24.51	24.50	23.61
10 월 Oct.	상 순 1st	22.20	22.04	22.95	22.36	23.14	23.37	22.12
	중 순 2nd	21.02	20.75	21.36	21.11	20.92	22.71	20.87
	하 순 3rd	19.54	18.90	20.33	19.35	20.02	19.82	18.86
	월평균 Mean	20.92	20.56	21.55	20.94	21.36	21.97	20.62
11 월 Nov.	상 순 1st	17.61	17.46	18.52	18.37	18.95	18.02	17.33
	중 순 2nd	16.20	14.92	16.46	15.70	15.93	15.52	14.60
	하 순 3rd	14 44	12.78	14.16	13.31	13.94	13.55	12.15
	월평균 Mean	16.08	15.05	16.38	15.79	16.27	15.70	14.69
12 월 Dec.	상 순 1st	13.88	10.76	13.27	11.00	12.77	14.35	10.81
	중 순 2nd	13.16	9.57	12.43	8.99	10.80	13.96	9.82
	하 순 3rd	13.18	7.63	10.99	7.13	9.61	12.76	8.57
	월평균 Mean	13.41	9.32	12.23	9.04	11.06	13.69	9.73
년 Year	년평균 Mean	16.30	15.69	–	15.14	16.64	17.19	15.25

월 Month	관측점 Station / 순 Ten day	㉒ 자지도 Chajido	㉓ 우 도 Udo	㉔ 산 지 Sanji	㉕ 서귀포 Sŏgwip'o	㉖ 마라도 Marado	㉗ 죽 도 Chukdo	㉘ 소흑산도 Sohŭksando
1 월 Jan.	상 순 1st	10.72	15.38	15.19	16.83	16.32	10.87	12.02
	중 순 2nd	9.75	15.16	14.25	15.77	15.20	10.33	10.92
	하 순 3rd	9.15	15.04	13.56	15.17	14.65	8.74	9.98
	월평균 Mean	**9.87**	**15.19**	**14.33**	**15.92**	**15.39**	**9.98**	**10.97**
2 월 Feb.	상 순 1st	8.81	14.44	13.24	15.52	14.88	8.94	9.01
	중 순 2nd	8.61	14.14	13.26	14.38	14.33	6.54	8.18
	하 순 3rd	7.81	13.83	13.11	14.48	14.10	6.94	8.65
	월평균 Mean	**8.41**	**14.14**	**13.20**	**14.79**	**14.44**	**7.47**	**8.61**
3 월 Mar.	상 순 1st	7.63	14.14	13.07	15.08	14.20	8.77	8.72
	중 순 2nd	8.76	14.03	12.88	15.08	14.26	8.65	9.03
	하 순 3rd	9.83	14.45	13.56	15 21	14.80	9.49	10.61
	월평균 Mean	**8.74**	**14.21**	**13.17**	**15.12**	**14.42**	**8.97**	**9.45**
4 월 Apr.	상 순 1st	10.94	14.50	14.50	15.65	14.82	10.26	11.56
	중 순 2nd	11.94	14.65	15.04	15.61	15.44	11.18	11.34
	하 순 3rd	12.58	15.15	15.49	15.96	15.37	11.68	11.09
	월평균 Mean	**11.82**	**14.77**	**15.01**	**15.74**	**15.21**	**11.04**	**11.33**
5 월 May	상 순 1st	13.28	15.41	15.91	16.24	16.02	12.60	10.92
	중 순 2nd	14.13	16.01	16.13	17.43	17.09	12.77	11.91
	하 순 3rd	16.13	16.50	17.38	18.34	17.82	14.00	12.20
	월평균 Mean	**14.51**	**15.97**	**16.47**	**17.34**	**16.98**	**13.12**	**11.68**
6 월 Jun.	상 순 1st	15.40	17.94	18.89	19.39	19.24	14.64	13.68
	중 순 2nd	15.74	18.87	19.35	19.96	18.85	15.70	16.03
	하 순 3rd	16.54	19.26	19.37	20.51	20.59	15.89	17.80
	월평균 Mean	**15.89**	**18.69**	**19.20**	**19.95**	**19.56**	**15.41**	**15.84**
7 월 Jul.	상 순 1st	17.45	21.25	19.85	21.09	21.50	16.64	19.06
	중 순 2nd	18.37	21.88	21.28	22.25	22.53	17.42	19.81
	하 순 3rd	18.95	22.04	24.57	21.83	24.75	18.13	20.84
	월평균 Mean	**18.26**	**21.72**	**21.90**	**21.72**	**22.93**	**17.40**	**19.90**
8 월 Aug.	상 순 1st	19.27	24.40	26.28	25.22	27.24	17.46	21.72
	중 순 2nd	19.81	26.25	26.36	27.00	27.35	18.26	21.66
	하 순 3rd	20.97	25.03	26.21	26.31	26.52	22.87	24.81
	월평균 Mean	**20.02**	**25.23**	**26.28**	**26.18**	**27.04**	**19.53**	**22.73**
9 월 Sep.	상 순 1st	23.23	25.02	25.87	25.30	26.33	23.98	25.81
	중 순 2nd	24.14	24.90	22.11	24.96	25.09	20.25	23.72
	하 순 3rd	23.49	23.97	22.51	25.00	25.71	21.93	21.84
	월평균 Mean	**23.62**	**24.63**	**23.50**	**25.09**	**25.71**	**22.05**	**23.79**
10 월 Oct.	상 순 1st	22.48	23.22	23.30	23.85	24.03	21.16	21.22
	중 순 2nd	21.07	23.14	21.85	23.30	24.35	19.94	19.79
	하 순 3rd	17.53	20.85	19.54	21.51	20.73	17.34	17.83
	월평균 Mean	**20.36**	**22.40**	**21.56**	**22.89**	**23.04**	**19.48**	**19.61**
11 월 Nov.	상 순 1st	16.25	20.19	19.30	20.47	20.22	16.19	17.01
	중 순 2nd	14.33	19.43	18.15	18.81	19.02	14.03	15.58
	하 순 3rd	12.70	17.52	16.42	16.80	16.61	13.00	13.55
	월평균 Mean	**14.43**	**19.05**	**17.96**	**18.69**	**18.62**	**14.41**	**15.38**
12 월 Dec.	상 순 1st	11.57	16.86	14.68	17.88	16.73	12.48	12.44
	중 순 2nd	10.90	16.74	13.83	17.13	15.60	12.04	11.82
	하 순 3rd	9.80	16.13	12.93	16.65	15.28	9.67	11.37
	월평균 Mean	**10.76**	**16.58**	**13.81**	**17.22**	**15.87**	**11.40**	**11.88**
년 Year	년평균 Mean	**14.72**	**18.55**	**18.03**	**19.22**	**19.10**	**14.19**	**15.10**

월 Month	관측점 Station / 순 Ten day	㉙ 홍 도 Hongdo	㉚ 칠발도 Ch'ilbaldo	㉛ 목 포 Mokp'o	㉜ 말 도 Maldo	㉝ 군 산 Kunsan	㉞ 어청도 Ŏch'ŏngdo	㉟ 격열비도 Kyŏngyŏlbido
1 월 Jan.	상 순 1st	11.24	8.75	7.76	6.95	3.81	8.58	8.62
	중 순 2nd	9.34	7.14	6.77	6.14	1.88	7.50	6.78
	하 순 3rd	8.81	6.91	5.17	4.54	1.45	7.00	5.68
	월평균 Mean	**9.80**	**7.60**	**6.57**	**5.88**	**2.38**	**7.69**	**7.03**
2 월 Feb.	상 순 1st	8.41	8.33	6.59	4.70	3.58	6.58	5.69
	중 순 2nd	7.77	6.49	5.86	4.30	2.11	5.51	5.13
	하 순 3rd	6.96	4.70	4.56	3.45	2.01	4.39	4.13
	월평균 Mean	**7.71**	**6.51**	**5.67**	**4.15**	**2.57**	**5.49**	**4.98**
3 월 Mar.	상 순 1st	7.27	5.39	5.84	4.21	4.41	4.22	4.13
	중 순 2nd	7.24	6.21	6.43	4.63	6.19	4.60	4.70
	하 순 3rd	7.35	6.84	8.47	5.62	9.78	5.25	5.35
	월평균 Mean	**7.29**	**6.15**	**6.91**	**4.82**	**6.79**	**4.69**	**4.73**
4 월 Apr.	상 순 1st	7.68	8.88	10.80	6.76	11.18	6.13	5.99
	중 순 2nd	7.79	10.89	11.28	7.95	14.04	6.99	6.66
	하 순 3rd	9.07	11.98	13.66	9.29	15.31	8.03	7.69
	월평균 Mean	**8.18**	**10.58**	**11.91**	**8.00**	**13.51**	**7.05**	**6.78**
5 월 May	상 순 1st	9.68	13.21	14.50	10.59	15.88	9.01	8.62
	중 순 2nd	10.20	13.73	16.53	11.97	18.62	9.99	10.18
	하 순 3rd	11.29	14.18	17.87	13.32	20.30	11.19	12.54
	월평균 Mean	**10.39**	**13.71**	**16.30**	**11.96**	**18.27**	**10.06**	**10.45**
6 월 Jun.	상 순 1st	13.76	15.10	19.22	14.58	22.64	13.88	13.77
	중 순 2nd	13.47	15.09	20.18	16.24	19.87	16.29	15.95
	하 순 3rd	14.90	16.07	21.02	17.90	23.64	16.80	16.86
	월평균 Mean	**14.04**	**15.42**	**20.14**	**16.24**	**22.05**	**15.66**	**15.53**
7 월 Jul.	상 순 1st	20.14	17.49	21.90	19.18	24.19	18.82	18.58
	중 순 2nd	19.39	17.34	23.36	20.16	24.54	19.22	20.42
	하 순 3rd	22.88	18.23	24.09	21.11	24.59	19.84	21.68
	월평균 Mean	**20.80**	**17.69**	**23.12**	**20.15**	**24.44**	**19.29**	**20.23**
8 월 Aug.	상 순 1st	24.66	20.69	25.29	23.15	28.14	22.29	23.35
	중 순 2nd	24.47	19.32	25.98	24.93	27.93	23.44	25.34
	하 순 3rd	22.68	22.24	24.37	23.70	24.81	22.36	23.71
	월평균 Mean	**23.94**	**20.75**	**25.21**	**23.93**	**26.96**	**22.70**	**24.13**
9 월 Sep.	상 순 1st	23.56	22.98	24.36	23.32	25.46	22.35	22.75
	중 순 2nd	21.43	20.95	24.06	23.04	23.83	22.83	22.10
	하 순 3rd	22.79	20.71	23.34	21.31	23.39	22.00	21.32
	월평균 Mean	**22.59**	**21.55**	**23.92**	**22.56**	**24.23**	**22.39**	**22.06**
10 월 Oct.	상 순 1st	21.93	20.75	22.19	20.36	20.92	20.01	20.28
	중 순 2nd	19.80	19.07	21.14	19.39	19.53	18.34	18.98
	하 순 3rd	18.50	17.31	18.87	18.07	16.78	17.52	17.78
	월평균 Mean	**20.08**	**19.04**	**20.73**	**19.27**	**19.08**	**18.62**	**19.01**
11 월 Nov.	상 순 1st	17.64	16.69	17.39	16.41	15.18	16.16	16.54
	중 순 2nd	15.64	14.66	15.29	15.27	11.50	14.94	15.17
	하 순 3rd	13.20	13.04	12.46	13.89	8.42	13.30	13.75
	월평균 Mean	**15.49**	**14.80**	**15.05**	**15.19**	**11.70**	**14.80**	**15.15**
12 월 Dec.	상 순 1st	11.47	11.12	10.94	11.32	6.77	11.74	12.05
	중 순 2nd	10.92	9.98	9.50	9.34	5.60	10.77	10.31
	하 순 3rd	9.94	8.02	7.08	8.01	2.91	8.84	8.47
	월평균 Mean	**10.78**	**9.71**	**9.17**	**9.56**	**5.09**	**10.45**	**10.28**
년 Year	**년평균 Mean**	**14.26**	**13.63**	**15.39**	**13.48**	**14.76**	**13.24**	**13.36**

월 Month	관측점 Station / 순 Ten day	㊱ 목덕도 Moktŏkto	㊲ 부 도 Pudo	㊳ 선미도 Sŏnmido	㊴ 월미도 Wolmido	㊵ 연평도 Yŏnp'yŏngdo	㊶ 소청도 Soch'ŏndo
1 월 Jan.	상 순 1st	6.98	8.78	6.17	4.93	3.26	6.99
	중 순 2nd	5.24	7.00	4.85	2.66	1.36	6.51
	하 순 3rd	3.98	4.55	4.04	2.47	0.39	5.55
	월평균 Mean	5.40	6.78	5.02	3.35	1.67	6.35
2 월 Feb.	상 순 1st	3.33	3.60	3.98	3.16	0.98	5.02
	중 순 2nd	2.18	3.25	3.36	1.51	0.94	4.02
	하 순 3rd	2.68	2.54	3.00	1.40	0.88	3.31
	월평균 Mean	2.73	3.13	3.45	2.02	0.93	4.12
3 월 Mar.	상 순 1st	3.41	3.72	3.44	2.80	2.44	3.92
	중 순 2nd	4.08	4.54	4.05	4.41	3.53	4.48
	하 순 3rd	4.69	5.31	4.92	6.32	4.87	5.42
	월평균 Mean	4.06	4.52	4.14	4.51	3.61	4.61
4 월 Apr.	상 순 1st	5.59	6.36	6.00	8.09	6.71	6.02
	중 순 2nd	6.76	6.94	7.14	9.92	8.69	6.74
	하 순 3rd	7.96	8.61	9.94	11.53	10.50	7.34
	월평균 Mean	6.77	7.30	7.69	9.85	8.63	6.70
5 월 May	상 순 1st	9.16	9.68	10.22	12.52	13.62	7.76
	중 순 2nd	10.25	10.76	11.32	15.03	15.47	8.88
	하 순 3rd	11.33	11.95	12.82	16.60	16.36	10.32
	월평균 Mean	10.25	10.80	11.45	14.72	15.15	8.99
6 월 Jun.	상 순 1st	12.88	13.25	14.30	18.49	17.58	12.31
	중 순 2nd	14.59	15.19	15.72	20.26	19.14	13.65
	하 순 3rd	15.57	16.71	17.01	21.18	20.90	15.12
	월평균 Mean	14.35	15.05	15.68	19.98	19.21	13.69
7 월 Jul.	상 순 1st	16.87	18.35	18.36	21.65	22.12	16.65
	중 순 2nd	18.64	19.39	19.94	22.05	23.01	18.70
	하 순 3rd	20.70	20.68	21.53	23.48	23.27	20.46
	월평균 Mean	18.74	19.47	19.94	22.39	22.80	18.60
8 월 Aug.	상 순 1st	21.63	22.75	22.65	25.85	24.37	22.38
	중 순 2nd	22.48	23.98	23.97	26.78	25.25	22.54
	하 순 3rd	22.50	22.83	23.81	24.64	24.95	22.05
	월평균 Mean	22.20	23.19	23.48	25.76	24.86	22.32
9 월 Sep.	상 순 1st	22.64	22.56	23.78	24.73	24.20	21.73
	중 순 2nd	22.92	22.66	23.49	24.04	23.08	21.37
	하 순 3rd	22.44	22.45	23.27	23.97	22.10	21.02
	월평균 Mean	22.67	22.56	23.51	24.25	23.13	21.37
10 월 Oct.	상 순 1st	21.51	21.76	22.33	20.99	21.28	20.62
	중 순 2nd	19.66	20.69	20.64	19.66	18.72	18.91
	하 순 3rd	18.06	18.35	19.37	16.67	16.28	16.13
	월평균 Mean	19.74	20.27	20.78	19.11	18.76	18.55
11 월 Nov.	상 순 1st	16.62	17.20	18.01	15.90	14.03	14.52
	중 순 2nd	15.01	14.84	15.63	12.67	11.43	12.77
	하 순 3rd	12.60	12.22	13.08	10.59	9.03	10.76
	월평균 Mean	14.74	14.75	15.57	13.05	11.50	12.68
12 월 Dec.	상 순 1st	10.67	10.83	10.38	8.50	6.54	9.91
	중 순 2nd	8.98	9.35	8.86	6.55	4.85	8.82
	하 순 3rd	6.36	7.02	6.36	3.44	2.64	7.44
	월평균 Mean	8.67	9.07	8.53	6.16	4.68	8.72
년 Year	년평균 Mean	12.53	13.07	13.27	13.76	12.91	12.23

沿岸定地 月別 氣溫

Air temperature of the shore stations

(단위 : ℃)

월 Month	관측점 Station / 순 Ten day	① 거 진 Kŏjin	② 속 초 Sokch'o	③ 주문진 Chumunjin	④ 묵 호 Muk'o	⑤ 울릉도 Ullŭngdo	⑥ 죽 변 Chukpyŏn	⑦ 후 포 Hup'o
1 월 Jan.	상 순 1st	2.20	1.10	2.87	-0.93	5.87	4.90	6.85
	중 순 2nd	0.14	0.65	1.35	-2.11	2.45	1.75	5.29
	하 순 3rd	-1.78	2.77	2.96	-0.25	5.55	3.86	6.07
	월평균 Mean	0.19	1.51	2.39	-1.10	4.62	3.50	6.07
2 월 Feb.	상 순 1st	-1.80	2.05	2.47	-0.34	4.68	4.59	6.13
	중 순 2nd	-3.03	-1.90	-0.18	-4.14	0.22	0.41	6.21
	하 순 3rd	2.11	2.38	4.49	0.16	4.61	5.14	8.24
	월평균 Mean	-0.91	0.84	2.26	-1.44	3.17	3.38	6.86
3 월 Mar.	상 순 1st	4.53	3.50	3.44	1.79	5.07	6.25	7.00
	중 순 2nd	3.52	5.30	5.77	3.05	7.54	8.28	10.54
	하 순 3rd	6.98	7.09	7.32	5.21	9.66	10.89	10.99
	월평균 Mean	5.01	5.30	5.51	3.35	7.42	8.47	9.51
4 월 Apr.	상 순 1st	10.19	10.50	10.46	8.77	11.99	12.41	11.25
	중 순 2nd	12.87	12.25	12.85	9.14	13.59	13.95	12.20
	하 순 3rd	16.48	16.80	16.30	15.24	14.40	18.70	12.20
	월평균 Mean	13.18	13.18	13.20	11.05	13.33	15.02	11.88
5 월 May	상 순 1st	17.91	16.95	17.63	14.60	16.82	18.25	12.57
	중 순 2nd	18.49	19.35	17.54	17.41	18.67	20.06	12.38
	하 순 3rd	18.20	17.36	17.55	15.34	18.60	17.94	12.75
	월평균 Mean	18.20	17.89	17.57	15.78	18.03	18.75	12.57
6 월 Jun.	상 순 1st	20.00	20.75	17.99	17.57	20.19	19.51	13.39
	중 순 2nd	17.71	19.10	18.70	15.79	18.59	18.24	12.55
	하 순 3rd	17.87	20.60	18.85	16.95	20.73	18.95	19.02
	월평균 Mean	18.53	20.15	18.51	16.77	19.84	18.90	14.99
7 월 Jul.	상 순 1st	17.36	19.15	18.32	15.30	22.90	19.34	21.20
	중 순 2nd	21.57	23.53	21.23	21.08	25.52	24.27	22.20
	하 순 3rd	26.31	27.82	26.28	26.24	28.38	27.96	23.36
	월평균 Mean	21.75	23.50	21.94	20.87	25.60	23.86	22.25
8 월 Aug.	상 순 1st	29.05	29.50	29.25	26.31	28.32	30.21	30.50
	중 순 2nd	26.55	25.65	25.57	23.07	26.31	25.92	27.30
	하 순 3rd	23.64	23.86	23.47	20.38	24.88	24.79	25.82
	월평균 Mean	26.41	26.34	26.10	23.25	26.50	26.97	27.87
9 월 Sep.	상 순 1st	24.02	24.95	23.87	23.16	27.36	24.58	25.10
	중 순 2nd	24.14	23.25	23.15	21.55	25.27	24.42	24.70
	하 순 3rd	21.71	21.95	21.48	20.52	24.17	22.72	25.00
	월평균 Mean	23.29	23.38	22.83	21.74	25.60	23.91	24.93
10 월 Oct.	상 순 1st	17.33	19.30	20.19	20.03	19.84	21.58	24.10
	중 순 2nd	14.71	16.85	18.01	17.75	18.14	18.21	22.60
	하 순 3rd	12.30	13.27	16.69	13.64	16.56	15.79	15.90
	월평균 Mean	14.78	16.47	18.30	17.14	18.18	18.53	20.87
11 월 Nov.	상 순 1st	13.55	14.40	16.98	14.60	14.65	15.91	13.40
	중 순 2nd	7.27	8.15	10.53	8.23	12.17	11.64	10.28
	하 순 3rd	6.91	7.75	9.76	7.86	10.54	10.08	11.25
	월평균 Mean	9.24	10.10	12.42	10.23	12.45	12.54	11.64
12 월 Dec.	상 순 1st	6.82	7.85	10.19	7.24	8.83	10.76	12.75
	중 순 2nd	1.67	2.70	5.49	4.01	5.68	6.02	10.42
	하 순 3rd	-1.29	-0.91	1.15	-0.06	3.53	2.67	6.85
	월평균 Mean	2.40	3.21	5.61	3.73	6.01	6.48	10.01
년 Year	년평균 Mean	12.67	13.49	13.89	11.78	15.06	15.03	14.95

월 Month	관측점 Station / 순 Ten day	⑧ 축 산 Ch'uksan	⑨ 포 항 P'ohang	⑩ 장기갑 Changgigap	⑪ 감 포 Kampo	⑫ 울 기 Ulgi	⑬ 부 산 Pusan	⑭ 가덕도 Kadŏkdo
1 월 Jan.	상 순 1st	2.87	3.43	2.04	0.86	2.80	7.28	2.89
	중 순 2nd	0.45	3.02	−0.89	−2.09	0.90	3.64	1.05
	하 순 3rd	2.88	3.15	2.54	0.52	1.27	4.52	1.94
	월평균 Mean	2.07	3.20	1.23	−0.24	1.66	5.15	1.96
2 월 Feb.	상 순 1st	6.44	3.93	1.39	0.76	2.70	7.12	3.35
	중 순 2nd	−0.67	1.13	−2.58	−2.45	−0.37	2.39	−0.32
	하 순 3rd	3.31	6.00	5.49	1.75	2.53	4.71	2.24
	월평균 Mean	3.03	3.69	1.43	0.02	1.62	4.74	1.76
3 월 Mar.	상 순 1st	7.39	6.20	4.83	3.64	3.90	7.68	5.27
	중 순 2nd	12.52	7.74	6.93	4.92	7.26	9.49	6.77
	하 순 3rd	12.03	11.50	7.04	7.32	10.50	11.87	10.06
	월평균 Mean	10.65	8.48	6.27	5.29	7.22	9.68	7.37
4 월 Apr.	상 순 1st	13.68	11.91	10.45	8.67	10.91	13.60	11.33
	중 순 2nd	13.82	13.21	12.13	10.22	13.83	15.63	13.64
	하 순 3rd	15.67	15.89	14.04	12.17	14.95	16.07	15.74
	월평균 Mean	14.39	13.67	12.21	10.35	13.23	15.10	13.57
5 월 May	상 순 1st	16.23	17.84	16.18	13.12	16.71	17.80	15.59
	중 순 2nd	17.51	19.42	15.48	13.67	18.23	18.15	17.78
	하 순 3rd	19.63	18.69	17.67	13.76	18.43	18.72	18.46
	월평균 Mean	17.79	18.65	16.44	13.52	17.79	18.22	17.28
6 월 Jun.	상 순 1st	21.33	20.91	19.43	16.88	20.40	20.03	21.23
	중 순 2nd	21.31	18.86	18.69	15.63	20.20	19.96	19.45
	하 순 3rd	20.17	22.27	21.17	17.96	21.60	21.97	22.46
	월평균 Mean	20.94	20.68	19.76	16.82	20.73	20.65	21.05
7 월 Jul.	상 순 1st	21.88	23.79	22.08	16.68	21.98	21.99	21.91
	중 순 2nd	22.75	25.10	22.01	17.76	23.43	23.06	23.06
	하 순 3rd	28.03	28.15	28.00	17.73	23.65	23.81	25.19
	월평균 Mean	24.22	25.68	24.03	17.39	23.02	22.95	23.39
8 월 Aug.	상 순 1st	30.00	29.78	30.33	19.63	28.15	27.68	29.26
	중 순 2nd	27.04	26.38	26.10	18.87	26.33	27.30	27.12
	하 순 3rd	22.97	25.56	24.64	18.14	25.92	25.67	25.64
	월평균 Mean	26.67	27.24	27.02	18.88	26.80	26.88	27.34
9 월 Sep.	상 순 1st		26.46	25.79	17.77	25.46	23.94	25.02
	중 순 2nd		23.67	23.53	16.50	25.10	22.76	23.86
	하 순 3rd		22.18	21.30	14.91	21.10	22.11	21.09
	월평균 Mean		24.10	23.54	16.39	23.89	22.94	23.32
10 월 Oct.	상 순 1st		20.86	20.55	13.78	19.95	19.73	19.96
	중 순 2nd		19.13	18.09	12.05	19.25	18.37	18.58
	하 순 3rd		15.55	12.41	7.79	15.19	14.29	14.35
	월평균 Mean		18.51	17.02	11.21	18.13	17.46	17.63
11 월 Nov.	상 순 1st		14.26	12.66	8.13	14.91	14.45	13.42
	중 순 2nd		10.12	7.32	3.63	9.87	10.89	9.74
	하 순 3rd		8.56	7.20	2.82	8.60	9.73	7.35
	월평균 Mean		10.98	9.06	4.86	11.13	11.69	10.17
12 월 Dec.	상 순 1st		9.52	5.70	0.75	7.42	8.81	6.89
	중 순 2nd		2.32	3.70	0.64	3.89	5.34	2.98
	하 순 3rd		−0.90	−1.68	−0.57	−0.27	1.42	−1.45
	월평균 Mean		3.65	2.57	0.27	3.68	5.19	2.81
년 Year	년평균 Mean		14.88	13.38	9.56	14.08	15.05	13.97

월 Month	관측점 Station / 순 Ten day	⑮ 서이말 Sŏimal	⑯ 충 무 Ch'ungmu	⑰ 욕지도 Yokchido	⑱ 여 수 Yŏsu	⑲ 소리도 Sorido	⑳ 거문도 Kŏmundo	㉑ 완 도 Wando
1 월 Jan.	상 순 1st	4.30	5.02	6.63	4.63	5.80	3.90	5.33
	중 순 2nd	2.20	3.88	7.29	0.97	3.30	2.60	4.25
	하 순 3rd	3.82	4.75	6.77	2.59	5.82	3.82	5.04
	월평균 Mean	3.47	4.55	6.90	2.73	4.97	3.44	4.87
2 월 Feb.	상 순 1st	3.90	6.24	7.06	4.65	5.90	4.90	6.86
	중 순 2nd	-0.10	2.01	5.84	0.85	3.20	1.20	4.05
	하 순 3rd	3.63	6.19	5.15	3.56	6.00	4.25	3.79
	월평균 Mean	2.48	4.81	6.02	3.02	5.03	3.45	4.90
3 월 Mar.	상 순 1st	6.30	8.33		5.82	8.00	6.20	7.29
	중 순 2nd	7.50	8.77		8.69	9.40	7.40	9.04
	하 순 3rd	10.00	12.49		13.43	11.72	10.45	11.80
	월평균 Mean	7.93	9.86		9.31	9.71	8.02	9.38
4 월 Apr.	상 순 1st	11.70	13.91		12.69	13.50	11.25	12.72
	중 순 2nd	13.20	15.57		15.36	15.15	12.80	13.30
	하 순 3rd	14.70	17.68		18.10	16.30	15.50	15.24
	월평균 Mean	13.20	15.72		15.38	14.98	13.18	13.75
5 월 May	상 순 1st	15.15	17.30		17.97	16.20	14.30	16.16
	중 순 2nd	17.80	19.24		20.59	18.90	18.10	17.84
	하 순 3rd	19.09	20.94		21.08	19.82	18.64	19.76
	월평균 Mean	17.35	19.16		19.88	18.31	17.01	17.92
6 월 Jun.	상 순 1st	21.20	22.79	23.60	23.62	20.90	18.90	19.49
	중 순 2nd	19.80	21.63	21.85	19.37	20.30	19.30	19.33
	하 순 3rd	22.20	23.92	24.28	20.28	22.30	21.70	22.28
	월평균 Mean	21.07	22.78	23.24	21.09	21.17	19.96	20.37
7 월 Jul.	상 순 1st	22.60	23.61	24.25	21.45	22.30	22.40	22.28
	중 순 2nd	23.40	23.72	24.58	20.95	23.00	22.70	22.49
	하 순 3rd	23.91	26.02	26.39	25.83	24.91	25.91	25.24
	월평균 Mean	23.30	24.45	25.07	22.74	23.40	23.67	23.34
8 월 Aug.	상 순 1st	29.40	29.19	30.65	26.99	26.80	27.00	27.05
	중 순 2nd	26.90	27.99	28.07	26.17	26.90	27.10	25.21
	하 순 3rd	24.00	26.28	27.63	26.57	25.45	26.27	24.33
	월평균 Mean	26.77	27.82	28.78	26.58	26.38	26.79	25.53
9 월 Sep.	상 순 1st	25.30	26.88	27.42	27.01	24.60	25.10	24.53
	중 순 2nd	24.20	25.58	26.42	24.48	23.70	24.00	23.31
	하 순 3rd	21.10	22.44	23.48	21.90	21.60	22.30	21.71
	월평균 Mean	23.53	24.97	25.77	24.46	23.30	23.80	23.18
10 월 Oct.	상 순 1st	20.00	21.36	22.72	20.40	20.70	21.40	20.38
	중 순 2nd	19.00	19.98	20.41	18.88	19.30	19.50	18.44
	하 순 3rd	14.11	16.12	16.88	16.24	15.18	16.00	15.34
	월평균 Mean	17.70	19.15	20.00	18.51	18.39	18.97	18.05
11 월 Nov.	상 순 1st	15.00	15.59	17.04	15.20	16.10	15.70	14.22
	중 순 2nd	10.30	11.20	13.25	11.30	10.60	9.80	9.94
	하 순 3rd	9.20	10.83	9.99	8.74	9.60	9.40	9.99
	월평균 Mean	11.50	12.54	13.43	11.75	12.10	11.63	11.38
12 월 Dec.	상 순 1st	8.10	9.35	8.49	9.42	8.70	8.70	9.67
	중 순 2nd	4.50	5.68	6.69	5.55	5.10	6.20	7.72
	하 순 3rd	0.70	2.10	3.60	1.45	1.20	1.94	5.52
	월평균 Mean	4.43	5.71	6.26	5.47	5.00	5.61	7.64
년 Year	년평균 Mean	14.39	15.96	-	15.08	15.23	14.63	15.03

월 Month	관측점 Station / 순 Ten day	㉒ 자지도 Chajido	㉓ 우 도 Udo	㉔ 산 지 Sanji	㉕ 서귀포 Sŏgwip'o	㉖ 마라도 Marado	㉗ 죽 도 Chukdo	㉘ 소흑산도 Sohŭksando
1 월 Jan.	상 순 1st	3.53	5.56	8.55	11.02	8.34	4.28	4.67
	중 순 2nd	2.95	3.80	6.20	7.97	6.55	3.49	3.33
	하 순 3rd	5.11	5.37	7.04	9.79	6.06	4.50	4.46
	월평균 Mean	3.86	4.91	7.26	9.59	6.98	4.09	4.15
2 월 Feb.	상 순 1st	5.58	7.15	9.40	9.53	7.41	6.35	5.53
	중 순 2nd	1.18	3.48	5.35	7.94	5.10	1.59	2.62
	하 순 3rd	2.75	6.00	5.44	9.76	6.13	2.89	2.79
	월평균 Mean	3.17	5.54	6.73	9.08	6.21	3.61	3.65
3 월 Mar.	상 순 1st	6.05	7.10	8.42	12.38	8.48	6.28	6.29
	중 순 2nd	7.32	8.75	9.50	12.04	9.04	6.57	7.27
	하 순 3rd	9.94	10.72	13.18	13.56	12.55	10.12	10.39
	월평균 Mean	7.77	8.86	10.37	12.66	10.02	7.66	7.98
4 월 Apr.	상 순 1st	12.18	12.92	13.80	17.33	14.19	11.62	12.79
	중 순 2nd	10.99	12.50	14.55	16.23	15.36	12.35	12.91
	하 순 3rd	14.16	15.50	15.90	17.12	15.90	14.76	16.70
	월평균 Mean	12.44	13.64	14.75	16.89	15.15	12.91	14.13
5 월 May	상 순 1st	14.52	15.25	17.65	18.36	16.99	15.46	15.94
	중 순 2nd	17.29	18.45	19.25	21.30	18.00	17.21	18.70
	하 순 3rd	18.67	19.74	19.64	21.87	18.63	16.14	19.94
	월평균 Mean	16.83	17.81	18.85	20.51	17.87	16.27	18.19
6 월 Jun.	상 순 1st	20.13	19.70	20.20	22.28	19.16	18.23	20.22
	중 순 2nd	18.34	19.90	21.70	21.83	20.24	19.35	21.03
	하 순 3rd	20.56	21.35	22.10	22.23	21.61	18.27	22.00
	월평균 Mean	19.68	20.32	21 33	22.11	20.34	18.62	21.08
7 월 Jul.	상 순 1st	22.19	23.25	24.75	23.41	23.14	21.48	23.93
	중 순 2nd	21.47	22.98	23.55	24.49	22.96	21.99	23.79
	하 순 3rd	24.59	26.09	28.45	27.41	26.44	23.91	26.88
	월평균 Mean	22.75	24.11	25.58	25.10	24.18	22.46	24.87
8 월 Aug.	상 순 1st	27.83	27.50	29.40	28.38	27.62	25.60	30.48
	중 순 2nd	24.14	25.51	26.62	28.40	27.25	23.09	28.28
	하 순 3rd	24.63	25.59	25.54	26.46	26.52	2[illegible].98	26.21
	월평균 Mean	25.53	26.20	27.19	27.74	27.13	24.89	28.32
9 월 Sep.	상 순 1st	24.03	25.93	25.70	26.29	26.02	26.03	25.85
	중 순 2nd	22.21	23.58	24.31	26.19	25.72	23.35	23.41
	하 순 3rd	20.95	22.45	21.73	24.96	24.63	21.85	21.92
	월평균 Mean	22.40	23.99	23.91	25.81	25.46	23.74	23.73
10 월 Oct.	상 순 1st	20.80	21.96	22.09	23.60	23.39	19.79	20.02
	중 순 2nd	16.95	18.93	20.43	22.40	20.23	18.02	17.54
	하 순 3rd	13.64	15.77	18.27	19.90	17.44	14.86	14.14
	월평균 Mean	17.13	18.89	20.26	21.97	20.35	17.56	17.23
11 월 Nov.	상 순 1st	13.56	15.50	17.33	18.64	17.56	14.94	13.81
	중 순 2nd	9.74	10.57	12.12	14.88	12.57	9.27	9.76
	하 순 3rd	7.00	9.86	12.87	14.21	13.28	6.53	8.42
	월평균 Mean	10.10	11.98	14.11	15.91	14.47	10.25	10.66
12 월 Dec.	상 순 1st	8.34	8.85	12.26	15.83	13.82	8.14	8.40
	중 순 2nd	4.56	7.70	7.77	13.51	10.02	6.47	6.24
	하 순 3rd	− 0.83	2.38	4.17	9.94	6.10	2.42	2.19
	월평균 Mean	4.02	6.11	8.07	13.09	9.98	5.68	5.61
년 Year	년평균 Mean	13.81	15.20	16.53	18.37	16.51	13.98	14.97

월 Month	관측점 Station / 순 Ten day	㉙ 홍도 Hongdo	㉚ 칠발도 Ch'ilbaldo	㉛ 목포 Mokp'o	㉜ 말도 Maldo	㉝ 군산 Kunsan	㉞ 어청도 Ŏch'ŏngdo	㉟ 격열비도 Kyŏngyŏlbido
1 월 Jan.	상 순 1st	3.62	3.84	3.56	2.26	0.73	1.05	0.60
	중 순 2nd	3.15	3.02	2.65	1.43	0.01	0.65	-0.50
	하 순 3rd	4.37	4.07	3.60	3.10	0.37	1.65	0.91
	월평균 Mean	3.71	3.64	3.27	2.26	0.37	1.12	0.34
2 월 Feb.	상 순 1st	4.52	4.27	4.67	3.76	3.00	3.45	2.20
	중 순 2nd	0.49	0.20	2.34	-0.19	0.03	-1.95	-2.70
	하 순 3rd	2.42	2.15	3.83	3.53	3.11	0.41	-1.00
	월평균 Mean	2.48	2.21	3.61	2.37	2.05	0.64	-0.50
3 월 Mar.	상 순 1st	4.69	4.39	7.17	5.06	5.46	3.63	3.08
	중 순 2nd	5.53	8.71	7.18	6.95	6.01	5.01	4.30
	하 순 3rd	8.55	10.04	11.25	10.45	9.77	7.73	7.64
	월평균 Mean	6.26	7.71	8.53	7.49	7.08	5.46	5.01
4 월 Apr.	상 순 1st	11.14	12.93	13.86	11.32	12.14	6.99	9.20
	중 순 2nd	10.69	12.89	13.97	13.26	15.21	12.10	11.01
	하 순 3rd	14.84	14.77	16.82	14.82	16.22	13.56	11.48
	월평균 Mean	12.22	13.53	14.88	13.13	14.52	10.88	10.56
5 월 May	상 순 1st	14.74	14.82	19.36	16.43	17.94	16.35	14.33
	중 순 2nd	16.53	18.14	21.87	20.54	21.94	18.16	17.17
	하 순 3rd	16.21	17.92	23.20	21.86	22.29	19.00	16.81
	월평균 Mean	15.83	16.96	21.48	19.61	20.72	17.84	16.10
6 월 Jun.	상 순 1st	19.20	19.50	24.12	22.59	23.52	22.53	21.40
	중 순 2nd	19.21	20.19	23.06	22.90	23.58	21.63	20.90
	하 순 3rd	21.14	21.65	23.62	23.25	25.29	23.76	21.15
	월평균 Mean	19.85	20.45	23.60	22.91	24.13	22.64	21.15
7 월 Jul.	상 순 1st	22.53	21.96	25.65	24.35	24.52	24.82	23.00
	중 순 2nd	21.93	21.75	24.51	23.74	24.39	24.73	22.79
	하 순 3rd	25.64	23.00	26.40	24.54	27.40	24.45	23.50
	월평균 Mean	23.37	22.24	25.52	24.21	25.44	24.67	23.10
8 월 Aug.	상 순 1st	27.34	25.76	28.09	28.92	30.18	28.78	29.45
	중 순 2nd	25.30	25.51	26.77	29.26	28.77	27.73	29.20
	하 순 3rd	23.98	24.47	25.36	24.35	24.95	24.06	23.09
	월평균 Mean	25.54	25.25	26.74	27.51	27.97	26.86	27.25
9 월 Sep.	상 순 1st	24.16	24.46	25.22	25.72	26.07	25.49	25.20
	중 순 2nd	22.45	23.04	24.53	25.39	24.26	24.35	24.40
	하 순 3rd	21.60	22.19	23.36	22.95	22.06	21.33	22.20
	월평균 Mean	22.74	23.23	24.37	24.69	24.13	23.72	23.93
10 월 Oct.	상 순 1st	19.91	19.81	21.15	22.13	20.03	18.69	21.28
	중 순 2nd	18.04	17.67	19.38	19.82	17.75	17.22	18.49
	하 순 3rd	15.05	13.57	15.95	16.35	15.21	13.55	16.20
	월평균 Mean	17.67	17.02	18.83	19.43	17.66	16.49	18.66
11 월 Nov.	상 순 1st	14.92	15.62	15.29	17.37	14.07	14.83	16.47
	중 순 2nd	10.79	11.14	9.73	8.72	8.91	8.70	9.41
	하 순 3rd	8.59	8.78	8.99	7.97	6.83	7.46	6.96
	월평균 Mean	11.43	11.85	11.34	11.35	9.94	10.33	10.95
12 월 Dec.	상 순 1st	9.45	8.85	10.47	8.86	6.88	6.90	7.57
	중 순 2nd	6.57	6.45	5.76	4.76	2.72	3.05	3.14
	하 순 3rd	2.64	2.85	1.55	-0.47	-0.73	-1.25	-1.45
	월평균 Mean	6.22	6.05	5.93	4.38	2.96	2.90	3.09
년 Year	년평균 Mean	13.94	14.18	15.68	14.95	14.75	13.63	13.30

월 Month	관측점 Station / 순 Ten day	㊱ 목덕도 Moktŏkto	㊲ 부 도 Pudo	㊳ 선미도 Sŏnmido	㊴ 월미도 Wolmido	㊵ 연평도 Yŏnp'yŏngdo	㊶ 소청도 Sochŏndo
1 월 Jan.	상 순 1st	0.45	-1.50	-3.20	-4.23	-2.48	-1.20
	중 순 2nd	-0.13	-2.40	-4.10	-5.19	-3.50	-1.50
	하 순 3rd	0.68	-1.18	-2.18	-2.32	-2.18	0.27
	월평균 Mean	0.33	-1.69	-3.16	-3.91	-2.72	-0.81
2 월 Feb.	상 순 1st	1.55	-0.40	-1.30	-1.35	0.55	0.60
	중 순 2nd	-1.86	-4.40	-5.90	-6.31	-4.90	-4.30
	하 순 3rd	-0.28	-1.75	-2.00	-2.88	-0.88	0.25
	월평균 Mean	-0.20	-2.18	-3.07	-3.51	-1.74	-1.15
3 월 Mar.	상 순 1st	3.19	1.60	1.40	1.61	1.55	2.60
	중 순 2nd	4.28	2.20	4.10	3.09	3.00	3.80
	하 순 3rd	7.34	6.09	8.90	7.77	8.23	8.36
	월평균 Mean	4.94	3.30	4.80	4.16	4.26	4.92
4 월 Apr.	상 순 1st	8.46	9.70	10.70	9.34	9.60	9.50
	중 순 2nd	9.81	9.20	12.80	11.49	12.00	10.40
	하 순 3rd	10.84	11.50	12.70	12.68	11.70	10.70
	월평균 Mean	9.70	10.13	12.07	11.17	11.10	10.20
5 월 May	상 순 1st	12.43	12.40	15.20	13.88	13.70	12.80
	중 순 2nd	14.52	15.20	18.80	16.93	16.50	14.40
	하 순 3rd	16.61	16.00	20.09	17.51	18.32	17.36
	월평균 Mean	14.52	14.53	18.03	16.11	16.17	14.85
6 월 Jun.	상 순 1st	18.90	19.00	23.00	19.14	20.65	20.60
	중 순 2nd	18.47	19.10	21.70	20.16	21.30	20.00
	하 순 3rd	19.07	20.90	24.50	21.52	21.24	21.60
	월평균 Mean	18.81	19.67	23.07	20.27	21.06	20.73
7 월 Jul.	상 순 1st	20.77	21.40	21.90	21.52	21.50	21.40
	중 순 2nd	20.72	21.40	22.20	21.53	22.32	23.60
	하 순 3rd	22.14	22.73	22.45	24.08	23.64	23.36
	월평균 Mean	21.21	21.84	22.18	22.38	22.49	22.79
8 월 Aug.	상 순 1st	25.50	25.50	28.20	25.88	27.30	26.80
	중 순 2nd	23.85	25.00	25.90	25.39	26.60	26.00
	하 순 3rd	22.00	22.18	21.18	22.15	22.55	22.82
	월평균 Mean	23.78	24.23	25.09	24.47	25.48	25.21
9 월 Sep.	상 순 1st	22.29	23.00	22.00	22.15	23.15	23.50
	중 순 2nd	21.55	22.10	21.70	21.16	22.85	22.80
	하 순 3rd	20.32	20.60	20.00	18.54	21.50	20.90
	월평균 Mean	21.39	21.90	21.23	20.62	22.50	22.40
10 월 Oct.	상 순 1st	18.40	18.10	17.00	15.50	17.85	18.90
	중 순 2nd	16.10	16.70	15.20	13.48	14.95	16.90
	하 순 3rd	12.77	12.73	10.36	8.87	12.23	12.54
	월평균 Mean	15.76	15.84	14.19	12.62	15.01	16.11
11 월 Nov.	상 순 1st	14.05	13.60	12.00	10.47	12.80	13.10
	중 순 2nd	7.55	7.70	4.50	3.05	4.50	7.40
	하 순 3rd	6.50	6.40	3.80	3.09	4.50	5.70
	월평균 Mean	9.37	9.23	6.77	5.54	7.27	8.73
12 월 Dec.	상 순 1st	6.95	7.00	3.21	1.55	4.40	5.70
	중 순 2nd	2.20	1.00	-1.65	-2.53	-0.35	0.40
	하 순 3rd	-1.82	-3.09	-5.55	-7.83	-4.86	-2.64
	월평균 Mean	2.44	1.64	-1.33	-2.94	-0.27	1.15
년 Year	년평균 Mean	11.84	11.54	11.66	10.58	11.72	12.09

第二編

定 線 海 洋 觀 測 成 績

(水温, 塩分, 酸素 및 氣象觀測資料)

PART 2

SERIAL OCEANOGRAPHIC DATA

(Temperature, Salinity, Oxygen and Meteorological Data)

1 9 8 3

目　　次

CONTENTS

定線 海洋觀測點 位置圖 ……… 31

Location of the serial oceanographic stations ……………… 31

定線 海洋觀測點 位置表 ……… 32

Position of the serial oceanographic stations ……………… 32

1. 東海　海洋調查　成績 ………… 35

1. OCEANOGRAPHIC DATA: EASTERN WATERS ……………… 35

A. 107線　海洋觀測　成績 ……… 37
B. 106線　海洋觀測　成績 ……… 64
C. 105線　海洋觀測　成績 ……… 102
D. 104線　海洋觀測　成績 ……… 141
E. 103線　海洋觀測　成績 ……… 176
F. 102線　海洋觀測　成績 ……… 209
G. 209線　海洋觀測　成績 ……… 243
H. 208線　海洋觀測　成績 ……… 267

A. Oceanographic Data, Line 107 …… 37
B. Oceanographic Data, Line 106 …… 64
C. Oceanographic Data, Line 105 …… 102
D. Oceanographic Data, Line 104 …… 141
E. Oceanographic Data, Line 103 …… 176
F. Oceanographic Data, Line 102 …… 209
G. Oceanographic Data, Line 209 …… 243
H. Oceanographic Data, Line 208 …… 267

2. 南海　海洋調查　成績 ………… 291

2. OCEANOGRAPHIC DATA: SOUTHERN WATERS …………… 291

A. 207線　海洋觀測　成績 ……… 293
B. 206線　海洋觀測　成績 ……… 307
C. 205線　海洋觀測　成績 ……… 319

A. Oceanographic Data, Line 207 …… 293
B. Oceanographic Data, Line 206 …… 307
C. Oceanographic Data, Line 205 …… 319

D. 204線　海洋觀測　成績 ……… 330
E. 203線　海洋觀測　成績 ……… 343
F. 313線　海洋觀測　成績 ……… 351
G. 314線　海洋觀測　成績 ……… 371

3. 西海　海洋調查　成績 ……… 399

A. 307線　海洋觀測　成績 ……… 401
B. 308線　海洋觀測　成績 ……… 417
C. 309線　海洋觀測　成績 ……… 436
D. 310線　海洋觀測　成績 ……… 456
E. 311線　海洋觀測　成績 ……… 473
F. 312線　海洋觀測　成績 ……… 488

D. Oceanographic Data, Line 204 …… 330
E. Oceanographic Data, Line 203 …… 343
F. Oceanographic Data, Line 313 …… 351
G. Oceanographic Data, Line 314 …… 371

3. OCEANOGRAPHIC DATA: WESTERN WATERS ……… 399

A. Oceanographic Data, Line 307 …… 401
B. Oceanographic Data, Line 308 …… 417
C. Oceanographic Data, Line 309 …… 436
D. Oceanographic Data, Line 310 …… 456
E. Oceanographic Data, Line 311 …… 473
F. Oceanographic Data, Line 312 …… 488

定線　海洋觀測點　位置圖

Location of the serial oceanographic stations

定線 海洋觀測點 位置表

Position of the serial oceanographic stations

Line \ St.No.	00	01	02	03	04	05
107		38° 12.6′ 128° 37.4′	38° 12.6′ 128° 42.7′	38° 12.6′ 128° 50.6′	38° 12.6′ 129° 03.5′	38° 12.6′ 129° 22.3′
106			37° 53.7′ 128° 52.5′	37° 53.7′ 128° 57.2′	37° 53.7′ 129° 03.8′	37° 53.7′ 129° 22.1′
105				37° 33.2′ 129° 10.3′	37° 33.2′ 129° 15.5′	37° 33.2′ 129° 22.6′
104					37° 03.4′ 129° 28.8′	37° 03.4′ 129° 33.6′
103					36° 30.3′ 129° 30.1′	36° 30.3′ 129° 35.4′
102					36° 04.6′ 129° 36.9′	36° 04.6′ 129° 41.3′
209					35° 47.3′ 129° 32.8′	35° 45.4′ 129° 38.4′
208		35° 28.5′ 129° 27.3′	35° 24.3′ 129° 33.8′	35° 17.8′ 129° 42.9′	35° 11.1′ 129° 52.7′	35° 04.8′ 130° 02.0′
207		35° 01.3′ 129° 07.2′	34° 57.6′ 129° 11.2′	34° 53.9′ 129° 15.4′	34° 50.2′ 129° 19.5′	34° 48.0′ 129° 21.8′
206		34° 35.5′ 128° 34.5′	34° 29.6′ 128° 41.2′	34° 22.4′ 128° 49.7′	34° 15.3′ 128° 58.0′	34° 08.1′ 129° 06.3′
205		34° 22.3′ 127° 48.5′	34° 15.0′ 127° 52.1′	34° 05.5′ 127° 56.9′	33° 51.5′ 128° 63.0′	33° 37.3′ 128° 09.2′
204		34° 20.8′ 127° 43.9′	34° 13.7′ 127° 35.4′	34° 06.7′ 127° 26.8′	33° 54.1′ 127° 15.2′	33° 45.5′ 127° 09.2′
203		33° 56.6′ 126° 31.4′	33° 47.5′ 126° 26.3′	33° 38.3′ 126° 21.3′		
314	33° 00.0′ 128° 00.0′	33° 00.0′ 127° 42.0′	33° 00.0′ 127° 24.0′	33° 00.0′ 127° 06.0′	33° 00.0′ 126° 48.0′	33° 00.0′ 126° 30.0′
313			33° 24.4′ 126° 00.0′	33° 24.4′ 125° 40.0′	33° 24.4′ 125° 36.0′	33° 24.4′ 125° 24.0′
312			33° 58.5′ 126° 26.0′	33° 59.8′ 125° 54.0′	34° 01.3′ 125° 42.0′	34° 02.6′ 125° 30.0′
311					34° 43.0′ 125° 43.9′	34° 43.0′ 125° 31.9′
310				35° 20.1′ 125° 49.3′	35° 20.1′ 125° 36.5′	35° 20.1′ 125° 24.4′
309		35° 51.3′ 126° 14.7′	35° 51.3′ 126° 02.0′	35° 51.3′ 125° 49.3′	35° 51.3′ 125° 37.0′	35° 51.3′ 125° 24.4′
308		36° 19.8′ 126° 14.4′	36° 19.8′ 126° 02.3′	36° 19.8′ 125° 50.0′	36° 19.8′ 125° 37.0′	36° 19.8′ 125° 25.3′
307				36° 56.5′ 126° 00.0′	36° 55.5′ 125° 37.7′	36° 55.5′ 125° 25.0′

06	07	08	09	10	11
38° 12.6′	38° 12.6′				
129° 41.1′	130° 00.0′				
37° 53.7′	37° 53.7′	37° 53.7′	37° 53.7′	37° 53.7′	37° 53.7′
129° 41.3′	130° 00.0′	130° 18.9′	130° 37.7′	130° 56.5′	131° 15.1′
37° 33.2′	37° 33.2′	37° 33.2′	37° 33.2′	37° 33.2′	37° 33.2′
129° 41.3′	130° 00.0′	130° 18.7′	130° 37.5′	130° 55.9′	131° 14.6′
37° 03.4′	37° 03.4′	37° 03.4′	37° 03.4′	37° 03.4′	37° 03.4′
129° 47.6′	130° 00.0′	130° 18.7′	130° 37.6′	130° 56.4′	131° 15.3′
36° 30.3′	36° 30.3′	36° 30.3′	36° 30.3′	36° 30.3′	36° 30.3′
129° 47.3′	130° 00.0′	130° 18.6′	130° 37.3′	130° 55.6′	131° 14.0′
36° 04.6′	36° 04.6′	36° 04.6′	36° 04.6′	36° 04.6′	36° 04.6′
129° 42.8′	130° 00.0′	130° 18.4′	130° 36.9′	130° 55.1′	131° 13.6′
35° 41.3′	35° 36.8′	35° 30.8′	35° 24.4′	35° 17.8′	35° 11.4′
129° 49.0′	130° 00.0′	130° 16.9′	130° 33.5′	130° 50.0′	131° 06.6′
34° 58.2′	34° 52.6′	34° 45.3′	34° 38.9′		
130° 11.9′	130° 20.9′	130° 30.6′	130° 40.5′		
33° 23.8′	33° 09.7′	32° 55.9′			
128° 14.3′	128° 21.3′	128° 27.0′			
33° 35.8′					
128° 03.2′					
33° 00.0′	33° 00.0′	33° 00.0′	33° 00.0′	33° 00.0′	
126° 12.0′	125° 54.0′	125° 36.0′	125° 18.0′	125° 00.0′	
33° 24.4′	33° 24.4′	33° 24.4′	33° 24.4′	33° 24.4′	
125° 12.0′	125° 00.0′	124° 48.0′	124° 36.0′	124° 24.0′	
34° 04.1′	34° 05.5′	34° 05.5′	34° 05.5′	34° 05.5′	
125° 18.0′	125° 00.0′	124° 48.0′	124° 36.0′	124° 24.0′	
34° 43.0′	34° 43.0′	34° 43.0′	34° 43.0′	34° 43.0′	
125° 19.4′	125° 00.0′	124° 47.9′	124° 35.8′	124° 23.4′	
35° 20.1′	35° 20.1′	35° 20.1′	35° 20.1′	35° 20.1′	
125° 12.1′	125° 00.0′	124° 47.9′	124° 35.6′	124° 23.5′	
35° 51.3′	35° 51.3′	35° 51.3′	35° 51.3′	35° 51.3′	
125° 12.3′	125° 00.0′	124° 47.8′	124° 35.1′	124° 22.8′	
36° 19.8′	36° 19.8′	36° 19.8′	36° 19.8′	36° 19.8′	
125° 12.4′	125° 00.0′	124° 47.5′	124° 35.1′	124° 23.0′	
36° 55.5′	36° 55.5′	36° 55.5′	36° 55.5′	36° 55.5′	
125° 12.5′	125° 00.0′	124° 47.5′	124° 34.8′	124° 22.3′	

St. No. / Line	12	13	14	15	16	17
107						
106	37° 53.7′ 131° 34.7′	37° 53.7′ 131° 53.0′	37° 53.7′ 132° 12.2′	37° 53.7′ 132° 30.9′	37° 53.7′ 132° 49.6′	
105	37° 33.2′ 131° 33.8′	37° 33.2′ 131° 52.2′	37° 33.2′ 132° 11.2′	37° 33.2′ 132° 29.8′	37° 33.2′ 132° 48.4′	
104	37° 03.4′ 131° 33.8′	37° 03.4′ 131° 52.6′	37° 03.4′ 132° 11.6′	37° 03.4′ 132° 29.5′	37° 03.4′ 132° 47.6′	
103						
102						
209						
208						
207						
206						
205						
204						
203						
314						
313						
312						
311						
310						
309						
308						
307						

東 海 海 洋 調 査 成 績

OCEANOGRAPHIC DATA: EASTERN WATERS

1 9 8 3

107線 海洋觀測 成績

Oceanographic Data. Line 107

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2月(February)

KOREA .GANGWON 854 , STATION 107-01 , 38-12.6. N, 128-37.4. E, FEB.22.1983, 11:30 KST, DEPTH 90 , COLOR 4, TRANS. 15.0,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1027. , AIR TEMP. DRY 4.5, WET , CLOUD. TYPE ST, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	4.96	33.951	6.91							0	4.96	33.951	6.91	26.87	119	118	0.0000
10	4.74	33.971	6.91							10	4.74	33.971	6.91	26.91	115	115	0.0117
20	4.65	33.978	6.81							20	4.65	33.978	6.81	26.92	113	113	0.0231
30	4.64	33.995	6.81							30	4.64	33.995	6.81	26.94	112	112	0.0344
50	3.73	34.019	6.91							50	3.73	34.019	6.91	27.05	101	101	0.0559

KOREA .GANGWON 854 , STATION 107-02 , 38-12.6. N, 128-42.7. E, FEB.22.1983. 12:20 KST, DEPTH 855 , COLOR 4, TRANS. 15.0,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1027. , AIR TEMP. DRY 3.8, WET , CLOUD. TYPE ST, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	4.58	33.983	6.91							0	4.58	33.983	6.91	26.93	112	112	0.0000
10	4.43	33.980	6.91							10	4.43	33.980	6.91	26.95	111	111	0.0111
20	4.32	33.980	6.91							20	4.32	33.980	6.91	26.96	110	110	0.0222
30	4.01	34.008	6.91							30	4.01	34.008	6.91	27.01	105	105	0.0330
50	3.36	34.009	6.91							50	3.36	34.009	6.91	27.08	099	099	0.0534
75	2.94	34.009	6.71							75	2.94	34.009	6.71	27.12	095	095	0.0777
100	2.57	34.017	6.51							100	2.57	34.017	6.51	27.16	091	091	0.1012
129	2.32	34.017	6.41							125	2.35	34.017	6.42	27.17	090	090	0.1240
153	1.79	34.034	6.32							150	1.85	34.031	6.33	27.22	085	085	0.1459
202	1.22	34.077	5.92							200	1.24	34.075	5.93	27.30	077	077	0.1868
250	1.07	34.074	5.92							250	1.07	34.074	5.92	27.31	076	076	0.2254
297	0.98	34.059	5.92							300	0.97	34.058	5.90	27.31	077	077	0.2640

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
394	0.84	34.055	5.53							400	0.81	34.055	5.53	27.31	076	076	0.3410
490	0.46	34.059	5.53														
KOREA .GANGWON 854 , STATION 107-03 , 38-12.6. N, 128-50.6. E, FEB.22.1983, 13:30 KST, DEPTH 1120 , COLOR 4, TRANS. 14.0,																	
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1025. , AIR TEMP. DRY 3.0, WET , CLOUD. TYPE ST, AMT 03, WEATHER BC,																	
0	4.29	34.007	6.71							0	4.29	34.007	6.71	26.98	108	107	0.0000
10	3.97	33.998	6.71							10	3.97	33.998	6.71	27.01	105	105	0.0106
20	3.82	33.998	6.61							20	3.82	33.998	6.61	27.03	104	103	0.0211
30	3.34	34.003	6.51							30	3.34	34.003	6.51	27.08	099	099	0.0312
50	2.74	34.003	6.51							50	2.74	34.003	6.51	27.13	094	094	0.0506
75	2.07	34.015	6.41							75	2.07	34.015	6.41	27.19	088	088	0.0733
99	1.66	34.028	6.22							100	1.65	34.028	6.20	27.24	084	084	0.0949
128	1.54	34.047	5.92							125	1.55	34.045	5.95	27.26	082	082	0.1156
152	1.27	34.047	5.82							150	1.29	34.047	5.82	27.28	080	080	0.1359
200	1.07	34.064	5.82							200	1.07	34.064	5.82	27.31	077	077	0.1754
248	0.90	34.063	5.82							250	0.89	34.062	5.81	27.32	076	076	0.2139
295	0.74	34.053	5.72							300	0.72	34.052	5.72	27.32	076	076	0.2521
391	0.51	34.046	5.72							400	0.49	34.045	5.72	27.33	075	075	0.3278
486	0.36	34.042	5.72														
KOREA .GANGWON 854 . STATION 107-04 , 38-12.6. N, 129-03.5. E, FEB.22.1983, 15:10 KST, DEPTH 1296 , COLOR 4, TRANS. 14.0,																	
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1025. , AIR TEMP. DRY 2.4, WET , CLOUD. TYPE ST, AMT 04, WEATHER BC,																	
0	4.34	34.019	6.71							0	4.34	34.019	6.71	26.99	107	107	0.0000
10	4.04	34.000	6.71							10	4.04	34.000	6.71	27.00	105	105	0.0106
20	4.03	34.009	6.61							20	4.03	34.009	6.61	27.01	105	105	0.0212
30	3.90	34.007	6.61							30	3.90	34.007	6.61	27.02	104	104	0.0316

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	3.14	34.011	6.51							50	3.14	34.011	6.51	27.10	096	096	0.0517
75	2.39	34.015	6.51							75	2.39	34.015	6.51	27.17	090	090	0.0752
100	1.91	34.023	6.32							100	1.91	34.023	6.32	27.21	086	086	0.0973
128	1.77	34.041	6.22							125	1.78	34.039	6.23	27.24	084	084	0.1186
152	1.48	34.049	6.12							150	1.50	34.048	6.12	27.26	081	081	0.1393
201	1.14	34.068	6.12							200	1.14	34.067	6.12	27.30	077	077	0.1792
250	1.04	34.056	6.02							250	1.04	34.056	6.02	27.30	077	077	0.2181
298	0.97	34.060	5.63							300	0.96	34.059	5.63	27.31	077	077	0.2569
395	0.54	34.054	5.63							400	0.53	34.053	5.62	27.33	075	074	0.3330
491	0.43	34.049	5.53														

KOREA .GANGWON 854 , STATION 107-05 , 38-12.6. N, 129-22.3. E, FEB.22.1983, 17:40 KST. DEPTH 1080 , COLOR , TRANS. ,
WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 2.0, WET , CLOUD. TYPE ST, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	4.18	34.025	6.91							0	4.18	34.025	6.91	27.01	105	105	0.0000
10	3.94	34.011	6.81							10	3.94	34.011	6.81	27.02	104	104	0.0104
20	3.71	34.015	6.81							20	3.71	34.015	6.81	27.05	101	101	0.0207
30	3.66	34.010	6.81							30	3.66	34.010	6.81	27.05	101	101	0.0309
50	3.54	34.016	6.61							50	3.54	34.016	6.61	27.07	100	100	0.0511
75	3.40	34.011	6.51							75	3.40	34.011	6.51	27.08	099	099	0.0760
100	2.63	34.010	6.41							100	2.63	34.010	6.41	27.15	092	092	0.1001
126	2.23	34.029	6.22							125	2.24	34.028	6.22	27.19	088	088	0.1228
151	1.85	34.035	6.22							150	1.86	34.034	6.22	27.23	085	085	0.1445
201	1.37	34.058	6.02							200	1.37	34.057	6.02	27.28	080	080	0.1859
249	1.05	34.061	5.82							250	1.04	34.061	5.81	27.30	077	077	0.2253
297	0.79	34.061	5.73							300	0.78	34.060	5.72	27.32	076	075	0.2637

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
395	0.54	34.052	5.63							400	0.53	34.052	5.61	27.33	075	074	0.3392
491	0.35	34.054	5.43														

KOREA .GANGWON 854 , STATION 107-06 , 38-12.6. N, 129-41.1. E, FEB.22.1983, 20:00 KST, DEPTH 882 , COLOR , TRANS. ,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1026. , AIR TEMP. DRY 1.6, WET , CLOUD. TYPE ST, AMT 04, WEATHER BC,

0	6.63	34.055	6.51							0	6.63	34.055	6.51	26.74	131	130	0.0000
10	6.68	34.166	6.41							10	6.68	34.166	6.41	26.82	123	123	0.0126
20	6.00	34.144	6.32							20	6.00	34.144	6.32	26.89	116	116	0.0246
30	5.58	34.113	6.32							30	5.58	34.113	6.32	26.92	114	114	0.0362
50	4.63	34.043	6.22							50	4.63	34.043	6.22	26.98	108	109	0.0585
75	4.10	34.077	6.22							75	4.10	34.077	6.22	27.06	100	101	0.0848
100	2.54	34.031	6.12							100	2.54	34.031	6.12	27.17	090	090	0.1088
128	1.96	34.045	6.12							125	2.02	34.043	6.12	27.22	085	085	0.1308
152	1.60	34.045	6.02							150	1.63	34.045	6.02	27.25	082	082	0.1519
201	1.29	34.044	5.92							200	1.29	34.044	5.92	27.27	080	080	0.1927
250	1.06	34.059	5.82							250	1.06	34.059	5.82	27.30	077	077	0.2323
297	0.85	34.059	5.82							300	0.84	34.058	5.81	27.32	076	076	0.2709
395	0.54	34.053	5.73							400	0.53	34.052	5.72	27.33	075	074	0.3466
493	0.41	34.049	5.63														

KOREA .GANGWON 854 , STATION 107-07 , 38-12.6. N, 130-00.0. E, FEB.22.1983, 22:20 KST, DEPTH 846 , COLOR , TRANS. ,
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1026. , AIR TEMP. DRY 2.5, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

0	8.03	34.202	6.32							0	8.03	34.202	6.32	26.66	138	138	0.0000
10	8.03	34.203	6.22							10	8.03	34.203	6.22	26.66	138	138	0.0138
20	8.04	34.217	6.12							20	8.04	34.217	6.12	26.67	137	137	0.0276
30	8.05	34.213	5.92							30	8.05	34.213	5.92	26.66	138	138	0.0415

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	7.20	34.186	6.02							50	7.20	34.186	6.02	26.77	128	129	0.0682
75	5.02	34.100	6.02							75	5.02	34.100	6.02	26.98	108	109	0.0980
99	4.50	34.070	6.22							100	4.48	34.068	6.22	27.01	105	106	0.1249
129	3.93	34.037	6.22							125	4.00	34.041	6.22	27.04	102	103	0.1511
153	2.20	34.033	5.92							150	2.41	34.033	5.95	27.18	089	089	0.1753
202	1.51	34.062	5.92							200	1.53	34.060	5.92	27.27	080	081	0.2179
251	1.18	34.045	5.92							250	1.18	34.045	5.92	27.28	079	079	0.2581
299	0.92	34.063	5.72							300	0.91	34.062	5.72	27.31	076	076	0.2973
397	0.64	34.056	5.72							400	0.63	34.055	5.71	27.33	075	075	0.3733
493	0.47	34.048	5.43														

4 月(April)

KOREA .GANGWON 854 , STATION 107-01 , 38-12.6. N, 128-37.4. E, APR. 6.1983, 08:40 KST, DEPTH 90 , COLOR 5, TRANS. 12.0,
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1014.4, AIR TEMP. DRY 9.6, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

0	7.69	34.202	7.16							0	7.69	34.202	7.16	26.71	134	133	0.0000
10	7.16	34.167	7.16							10	7.16	34.167	7.16	26.76	129	129	0.0131
20	4.51	33.999	6.96							20	4.51	33.999	6.96	26.95	110	110	0.0251
30	3.19	34.007	6.76							30	3.19	34.007	6.76	27.09	097	097	0.0355
50	2.32	34.006	6.57							50	2.32	34.006	6.57	27.17	090	090	0.0544
75	1.72	******	6.76							75	1.72	******	6.76	*****	***	***	******

KOREA .GANGWON 854 , STATION 107-02 , 38-12.6. N, 128-42.7. E, APR. 6.1983, 09:40 KST, DEPTH 855 , COLOR 4, TRANS. 12.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1014.4, AIR TEMP. DRY 6.8, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

0	6.40	34.003	7.06							0	6.40	34.003	7.06	26.73	132	131	0.0000
10	5.47	34.006	7.16							10	5.47	34.006	7.16	26.85	120	120	0.0126

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	4.38	34.016	7.06							20	4.38	34.016	7.06	26.98	108	108	0.0240
30	3.98	34.003	6.67							30	3.98	34.003	6.67	27.01	105	105	0.0347
50	3.06	34.021	6.76							50	3.06	34.021	6.76	27.12	095	095	0.0548
75	2.46	34.019	6.76							75	2.46	34.019	6.76	27.17	090	090	0.0780
97	2.32	34.014	6.67							100	2.31	34.011	6.67	27.17	090	090	0.1007
132	2.25	33.986	6.67							125	2.26	33.991	6.67	27.16	091	091	0.1234
159	1.88	34.005	6.37							150	2.00	33.998	6.47	27.19	088	089	0.1460
205	1.83	34.036	6.27							200	1.83	34.032	6.28	27.23	085	085	0.1896
252	1.69	34.045	6.18							250	1.69	34.044	6.18	27.25	083	083	0.2318
299	1.37	34.032	5.98							300	1.36	34.031	5.97	27.26	081	082	0.2732
395	0.96	34.027	5.48							400	0.95	34.026	5.47	27.28	079	079	0.3542
489	0.85	34.020	5.38														

KOREA ,GANGWON B54 , STATION 107-03 , 38-12.6. N, 128-50.6. E, APR. 8.1983, 11:05 KST, DEPTH 1120 , COLOR 5, TRANS. 13.0,
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1014.4, AIR TEMP. DRY 8.3, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.29	33.979	7.26							0	6.29	33.979	7.26	26.73	132	132	0.0000
10	5.82	33.990	7.26							10	5.82	33.990	7.26	26.79	126	125	0.0129
20	5.23	******	7.26							20	5.23	33.995	7.26	26.87	118	118	0.0251
30	4.17	34.000	7.16							30	4.17	34.000	7.16	26.99	107	107	0.0364
50	2.83	33.985	7.16							50	2.83	33.985	7.16	27.11	096	096	0.0568
75	2.39	34.020	6.86							75	2.39	34.020	6.86	27.17	090	090	0.0801
98	2.19	34.046	6.76							100	2.17	34.046	6.75	27.21	086	086	0.1021
137	1.86	34.051	6.67							125	1.96	34.049	6.69	27.23	084	084	0.1236
156	1.77	34.072	6.67							150	1.79	34.065	6.67	27.26	082	082	0.1445
203	1.73	34.044	6.27							200	1.73	34.045	6.29	27.25	083	083	0.1860

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
251	1.42	34.047	6.18							250	1.42	34.046	6.18	27.27	081	081	0.2272
298	1.22	34.059	6.18							300	1.21	34.059	6.16	27.29	078	079	0.2673
393	1.03	34.068	5.68							400	1.00	34.067	5.68	27.31	076	077	0.3454
486	0.76	34.057	5.68														

KOREA .GANGWON 854 . STATION 107-04 . 38-12.6. N. 129-03.5. E. APR. 8.1983. 12:55 KST, DEPTH 1296 . COLOR 5, TRANS. 13.0,
WAVE NE 2. SWELL NE 1, WIND NE 2, BARO 1014. , AIR TEMP. DRY 8.5, WET , CLOUD. TYPE CI. AMT 04. WEATHER BC,

0	8.79	34.261	6.67							0	8.79	34.261	6.67	26.59	145	145	0.0000
10	8.42	34.288	6.76							10	8.42	34.288	6.76	26.67	138	137	0.0141
20	6.15	34.128	7.06							20	6.15	34.128	7.06	26.86	119	119	0.0270
30	4.67	34.089	7.16							30	4.67	34.089	7.16	27.01	105	105	0.0383
50	2.92	34.018	6.96							50	2.92	34.018	6.96	27.13	094	094	0.0583
75	2.50	34.023	6.47							75	2.50	34.023	6.47	27.17	090	090	0.0815
98	2.02	34.018	6.38							100	1.99	34.019	6.34	27.20	087	087	0.1037
136	1.56	34.044	5.78							125	1.69	34.036	5.95	27.24	083	083	0.1251
155	1.27	34.051	5.69							150	1.34	34.049	5.71	27.28	080	080	0.1456
203	0.92	34.075	5.78							200	0.94	34.073	5.77	27.32	076	075	0.1847
250	0.85	34.062	5.78							250	0.85	34.062	5.78	27.32	076	076	0.2228
293	0.67	34.106	5.78							300	0.65	34.103	5.74	27.36	072	071	0.2598
397	0.50	34.069	5.19							400	0.49	34.069	5.19	27.34	073	073	0.3325
490	0.41	34.072	5.19														

KOREA .GANGWON 854 . STATION 107-05 . 38-12.6. N. 129-22.3. E. APR. 8.1983. 15:20 KST. DEPTH 1080 . COLOR 4. TRANS. 15.0,
WAVE NE 2. SWELL NE 1. WIND NE 2. BARO 1014. . AIR TEMP. DRY 9.6. WET , CLOUD. TYPE CI. AMT 02. WEATHER B ,

0	10.02	34.332	6.38							0	10.02	34.332	6.38	26.44	159	159	0.0000
10	9.16	34.296	6.48							10	9.16	34.296	6.48	26.56	148	148	0.0153

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	8.87	34.297	6.68							20	8.87	34.297	6.68	26.60	144	144	0.0300
30	8.09	34.216	6.67							30	8.09	34.216	6.67	26.66	138	138	0.0441
50	3.91	34.148	6.68							50	3.91	34.148	6.68	27.14	093	093	0.0674
75	2.99	34.069	6.39							75	2.99	34.069	6.39	27.16	091	091	0.0905
99	2.17	34.056	6.19							100	2.14	34.055	6.18	27.22	085	085	0.1127
130	1.44	34.052	6.08							125	1.55	34.052	6.09	27.26	081	081	0.1336
155	1.16	34.058	5.78							150	1.21	34.056	5.84	27.29	079	078	0.1537
204	0.97	34.071	5.79							200	0.98	34.069	5.78	27.32	076	076	0.1925
251	0.83	34.052	5.88							250	0.83	34.052	5.87	27.31	077	076	0.2309
298	0.61	34.060	5.88							300	0.60	34.060	5.86	27.33	075	074	0.2688
394	0.50	34.066	5.29							400	0.49	34.066	5.28	27.34	074	073	0.3431
490	0.41	34.068	5.19														

KOREA .GANGWON 854 . STATION 107-06 , 38-12.6. N, 129-41.1. E, APR. 8.1983, 17:50 KST, DEPTH 882 , COLOR , TRANS.

WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1014. , AIR TEMP. DRY 9.8, WET , CLOUD. TYPE CI, AMT 02. WEATHER B ,

0	10.26	34.358	6.67							0	10.26	34.358	6.67	26.42	161	161	0.0000
10	9.69	34.355	6.76							10	9.69	34.355	6.76	26.52	152	152	0.0156
20	8.89	34.329	6.47							20	8.89	34.329	6.47	26.63	142	142	0.0303
30	8.46	34.202	6.27							30	8.46	34.202	6.27	26.59	145	145	0.0447
50	5.86	34.129	6.28							50	5.86	34.129	6.28	26.90	116	116	0.0709
75	5.01	******	6.08							75	5.01	34.125	6.08	27.00	106	107	0.0988
100	4.43	34.121	6.37							100	4.43	34.121	6.37	27.06	100	101	0.1249
132	1.51	34.066	6.17							125	2.14	34.078	6.21	27.24	083	084	0.1481
156	1.36	34.060	5.88							150	1.39	34.061	5.95	27.28	079	079	0.1686
204	1.27	34.091	5.88							200	1.27	34.088	5.88	27.31	076	077	0.2079

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
251	1.06	34.064	5.79							250	1.06	34.064	5.79	27.31	077	077	0.2465
297	0.76	34.054	5.49							300	0.74	34.054	5.48	27.32	076	076	0.2850
393	0.40	34.057	5.39							400	0.39	34.057	5.39	27.34	074	073	0.3599
488	0.33	34.066	5.39														

KOREA .GANGWON 854 , STATION 107-07 , 38-12.6. N, 130-00.0. E, APR. 8.1983. 20:20 KST, DEPTH 846 , COLOR , TRANS. ,
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1014. , AIR TEMP. DRY 9.6, WET , CLOUD. TYPE , AMT , WEATHER ,

0	11.24	34.367	6.57							0	11.24	34.367	6.57	26.25	177	177	0.0000
10	10.60	34.356	6.18							10	10.60	34.356	6.18	26.36	167	167	0.0172
20	10.19	34.329	6.18							20	10.19	34.329	6.18	26.41	162	162	0.0336
30	10.03	34.339	6.18							30	10.03	34.339	6.18	26.45	159	159	0.0497
50	8.31	34.241	6.08							50	8.31	34.241	6.08	26.65	139	140	0.0797
75	6.86	34.202	5.98							75	6.86	34.202	5.98	26.83	123	123	0.1128
97	4.98	34.165	5.89							100	4.81	34.157	5.87	27.05	102	102	0.1411
138	2.69	34.064	5.69							125	3.41	34.096	5.75	27.14	092	093	0.1657
156	1.87	34.050	5.78							150	2.14	34.054	5.75	27.22	085	085	0.1881
205	1.25	34.052	5.69							200	1.31	34.051	5.69	27.28	080	080	0.2296
252	1.01	34.058	5.49							250	1.02	34.057	5.49	27.30	077	077	0.2691
300	0.78	34.077	5.49							300	0.78	34.077	5.49	27.33	074	074	0.3072
394	0.55	34.069	5.49							400	0.53	34.068	5.49	27.34	074	073	0.3815
486	0.35	34.063	5.49														

6 月(June)

KOREA .GANGWON 854 , STATION 107-01 , 38-12.6. N, 128-37.4. E, JUN. 7.1983, 10:00 KST. DEPTH 90 , COLOR 3, TRANS. 17.0.
WAVE S 1, SWELL S 1, WIND S 1, BARO 1004. , AIR TEMP. DRY 19.6, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	13.97	33.702	6.27							0	13.97	33.702	6.27	25.21	276	276	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	11.58	33.706	6.48							10	11.58	33.706	6.48	25.68	231	231	0.0254
20	7.24	33.740	6.78							20	7.24	33.740	6.78	26.41	162	162	0.0451
30	5.64	33.751	6.89							30	5.64	33.751	6.89	26.63	141	141	0.0603
50	4.25	33.764	6.59							50	4.25	33.764	6.59	26.80	125	126	0.0871
75	3.30	33.803	6.88							75	3.30	33.803	6.88	26.92	114	114	0.1171

KOREA .GANGWON 854 , STATION 107-02 , 38-12.6. N, 128-42.7. E, JUN. 7.1983, 10:55 KST, DEPTH 855 , COLOR 3, TRANS. 17.0,
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1004. , AIR TEMP. DRY 20.2, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	15.61	33.710	6.07							0	15.61	33.710	6.07	24.86	309	309	0.0000
10	14.52	33.713	6.07							10	14.52	33.713	6.07	25.10	287	287	0.0298
20	8.03	33.746	6.68							20	8.03	33.746	6.68	26.30	172	172	0.0528
30	7.89	33.758	6.68							30	7.89	33.758	6.68	26.33	169	170	0.0699
50	6.34	33.764	6.78							50	6.34	33.764	6.78	26.55	149	149	0.1019
75	3.85	33.777	6.88							75	3.85	33.777	6.88	26.85	121	121	0.1358
99	2.66	33.786	6.98							100	2.63	33.786	6.97	26.97	109	109	0.1647
132	1.79	33.801	6.78							125	1.97	33.797	6.82	27.03	103	103	0.1914
156	1.67	33.815	6.78							150	1.70	33.811	6.78	27.06	100	100	0.2170
204	1.08	33.828	6.58							200	1.12	33.826	6.59	27.11	095	095	0.2662
252	0.96	33.847	6.38							250	0.96	33.846	6.38	27.14	093	093	0.3135
299	0.94	33.844	6.18							300	0.93	33.844	6.17	27.14	093	093	0.3602
396	0.74	33.867	6.08							400	0.73	33.866	6.07	27.17	090	090	0.4521
490	0.55	33.854	5.97														

KOREA .GANGWON 854 , STATION 107-03 , 38-12.6. N, 128-50.6. E, JUN. 7.1983, 12:35 KST, DEPTH 1120 , COLOR 3, TRANS. 17.0,
WAVE SE 3, SWELL SE 1, WIND SE 3, BARO 1003. , AIR TEMP. DRY 19.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	14.85	33.723	5.97							0	14.85	33.723	5.97	25.04	293	292	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.01	33.742	6.07							10	14.01	33.742	6.07	25.23	274	274	0.0283
20	9.05	33.747	6.89							20	9.05	33.747	6.89	26.15	187	187	0.0514
30	5.43	33.758	6.88							30	5.43	33.758	6.88	26.66	138	138	0.0678
50	3.75	33.815	6.78							50	3.75	33.815	6.78	26.89	117	117	0.0934
75	2.67	33.809	6.88							75	2.67	33.809	6.88	26.98	108	108	0.1216
100	2.07	33.818	6.78							100	2.07	33.818	6.78	27.04	102	103	0.1480
129	1.71	33.832	6.37							125	1.75	33.830	6.42	27.07	099	099	0.1734
154	1.32	33.849	6.37							150	1.38	33.846	6.37	27.11	096	096	0.1979
203	1.01	33.846	6.27							200	1.02	33.848	6.27	27.13	093	093	0.2453
252	0.89	33.861	5.97							250	0.89	33.860	5.98	27.15	091	091	0.2917
300	0.77	33.877	5.97							300	0.77	33.877	5.97	27.17	089	089	0.3371
398	0.55	33.867	5.87							400	0.54	33.866	5.87	27.18	089	089	0.4265
495	0.44	33.866	5.87														

KOREA .GANGWON 854 . STATION 107-04 . 38-12.6. N. 129-03.5. E. JUN. 7.1983. 14:25 KST. DEPTH 1296 . COLOR 3. TRANS. 18.0.
WAVE SE 4. SWELL SE 1. WIND SE 4. BARO 1002. . AIR TEMP. DRY 16.5. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

0	14.89	33.787	6.17							0	14.89	33.787	6.17	25.08	289	288	0.0000
10	14.53	33.838	5.97							10	14.53	33.838	5.97	25.19	278	276	0.0283
20	9.88	33.865	6.58							20	9.88	33.865	6.58	26.10	191	191	0.0518
30	6.54	33.931	6.47							30	6.54	33.931	6.47	26.66	139	139	0.0684
50	4.29	33.938	5.97							50	4.29	33.938	5.97	26.93	113	113	0.0936
75	3.92	33.852	6.27							75	3.92	33.852	6.27	26.90	116	116	0.1223
99	2.22	33.843	6.78							100	2.20	33.842	6.76	27.05	102	102	0.1497
134	1.56	33.838	6.27							125	1.72	33.839	6.40	27.08	098	098	0.1748
158	1.29	33.856	6.48							150	1.38	33.851	6.41	27.11	095	095	0.1991

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
206	1.01	33.863	6.27							200	1.04	33.862	6.29	27.15	092	092	0.2462
253	0.88	33.867	6.07							250	0.88	33.866	6.08	27.16	091	091	0.2922
300	0.73	33.863	6.07							300	0.73	33.863	6.07	27.17	090	090	0.3377
397	0.54	33.867	5.97							400	0.53	33.867	5.96	27.18	089	089	0.4275
491	0.49	33.867	5.77														

KOREA .GANGWON 854 , STATION 107-05 , 38-12.6. N, 129-22.3. E, JUN. 7.1983, 16:50 KST, DEPTH 1080 . . COLOR 3. TRANS. 18.0,
WAVE SE 4. SWELL SE 2, WIND SE 4, BARO 1002.5, AIR TEMP. DRY 17.4, WET , CLOUD. TYPE CI, AMT 02, WEATHER B .

0	15.50	34.002	5.67							0	15.50	34.002	5.67	25.11	286	285	0.0000
10	15.19	33.987	5.97							10	15.19	33.987	5.97	25.16	280	280	0.0283
20	11.86	33.979	*****							20	11.86	33.979	6.02	25.84	216	216	0.0532
30	7.46	33.935	6.08							30	7.46	33.935	6.08	26.53	150	151	0.0716
50	5.17	33.924	5.97							50	5.17	33.924	5.97	26.82	123	123	0.0991
75	3.62	33.871	6.17							75	3.62	33.871	6.17	26.94	111	112	0.1286
96	2.35	33.828	6.37							100	2.33	33.829	6.36	27.03	104	104	0.1556
137	2.19	33.844	6.28							125	2.23	33.839	6.30	27.04	102	102	0.1815
160	1.83	33.847	6.37							150	1.96	33.845	6.33	27.07	100	100	0.2069
207	1.25	33.879	5.97							200	1.33	33.874	6.02	27.14	093	093	0.2554
254	1.02	33.896	5.97							250	1.03	33.894	5.97	27.17	090	090	0.3014
300	0.86	33.872	5.87							300	0.86	33.872	5.87	27.16	090	090	0.3466
395	0.58	33.860	5.87							400	0.57	33.859	5.87	27.17	090	089	0.4369
488	0.52	33.854	5.87														

KOREA .GANGWON 854 , STATION 107-06 , 38-12.6. N, 129-41.1. E, JUN. 7.1983, 19:00 KST, DEPTH 882 . , COLOR 3, TRANS. 19.0,
WAVE SE 4. SWELL SE 2, WIND SE 4, BARO 1002.5, AIR TEMP. DRY 17.0, WET , CLOUD. TYPE CI. AMT 02, WEATHER B .

0	16.13	34.065	5.77							0	16.13	34.065	5.77	25.01	295	294	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.07	34.058	5.77							10	16.07	34.058	5.77	25.02	294	294	0.0294
20	15.65	34.028	6.38							20	15.65	34.028	6.38	25.09	287	287	0.0585
30	11.12	33.995	6.28							30	11.12	33.995	6.28	25.99	202	203	0.0831
50	6.44	33.950	6.18							50	6.44	33.950	6.18	26.68	136	136	0.1171
75	4.54	33.906	5.97							75	4.54	33.906	5.97	26.88	118	118	0.1490
96	3.44	33.866	5.97							100	3.29	33.862	6.00	26.97	109	109	0.1776
135	2.07	33.835	6.27							125	2.42	33.842	6.19	27.03	103	104	0.2043
158	1.82	33.865	6.17							150	1.90	33.854	6.20	27.08	099	099	0.2297
204	1.64	33.868	6.17							200	1.65	33.867	6.17	27.11	096	096	0.2786
251	1.23	33.875	6.07							250	1.23	33.874	6.07	27.14	092	093	0.3260
295	0.88	33.878	6.17							300	0.85	33.877	6.15	27.17	090	090	0.3719
399	0.49	33.866	5.87							400	0.48	33.865	5.85	27.18	089	088	0.4614
481	0.44	33.863	5.77														

KOREA .GANGWON 854 . STATION 107-07 . 38-12.6. N. 130-00.0. E. JUN. 7.1983. 21:35 KST. DEPTH 946 . COLOR 3. TRANS. 19.0.
WAVE SE 4, SWELL SE 2. WIND SE 4. BARO 1003.5, AIR TEMP. DRY 16.5, WET , CLOUD. TYPE , AMT . WEATHER B ,

0	15.85	33.941	5.77							0	15.85	33.941	5.77	24.98	298	297	0.0000
10	15.30	33.928	5.77							10	15.30	33.928	5.77	25.09	287	287	0.0292
20	10.51	33.929	6.28							20	10.51	33.929	6.28	26.04	197	197	0.0535
30	7.53	33.966	6.17							30	7.53	33.966	6.17	26.55	149	149	0.0708
50	4.53	33.906	5.87							50	4.53	33.906	5.87	26.88	118	118	0.0976
75	3.14	33.882	6.17							75	3.14	33.882	6.17	27.00	106	106	0.1257
98	2.97	33.856	5.97							100	2.94	33.856	5.99	26.99	106	107	0.1525
134	2.54	33.859	6.37							125	2.64	33.858	6.27	27.02	104	104	0.1790
158	2.23	33.851	6.17							150	2.33	33.853	6.23	27.04	102	102	0.2049

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
206	1.18	33.854	6.07							200	1.31	33.853	6.08	27.12	095	095	0.2543
253	0.56	33.855	6.06							250	0.59	33.854	6.06	27.17	090	090	0.3007
299	0.50	33.850	6.06							300	0.49	33.850	6.05	27.17	090	090	0.3458
395	0.42	33.854	5.86							400	0.41	33.853	5.83	27.18	089	089	0.4355
489	0.35	33.846	5.46														

8月(August)

KOREA .GYUNGBUG 853 . STATION 107-01 . 38-12.6. N. 128-37.4. E. AUG.13.1983. 09:50 KST. DEPTH 90 . COLOR 3. TRANS. 22.0.
WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1013. . AIR TEMP. DRY 27.0. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

0	24.82	32.120	4.87							0	24.82	32.120	4.87	21.24	655	655	0.0000
10	12.41	33.319	6.33							10	12.41	33.319	6.33	25.22	275	275	0.0465
20	10.72	33.476	6.33							20	10.72	33.476	6.33	25.65	234	234	0.0720
30	8.77	33.538	6.92							30	8.77	33.538	6.92	26.03	198	199	0.0936
50	6.32	33.686	6.83							50	6.32	33.686	6.83	26.49	154	155	0.1291
75	3.21	33.828	6.72							75	3.21	33.828	6.72	26.95	111	111	0.1624
88	2.34	33.906	6.63														

KOREA .GYUNGBUG 853 . STATION 107-02 . 38-12.6. N. 128-42.7. E. AUG.13.1983. 10:35 KST. DEPTH 855 , COLOR 3. TRANS. 21.0.
WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1013. . AIR TEMP. DRY 28.0. WET . CLOUD. TYPE AS. AMT 03. WEATHER BC.

0	24.99	32.184	4.73							0	24.99	32.184	4.73	21.24	655	655	0.0000
10	13.88	33.283	6.04							10	13.88	33.283	6.04	24.90	305	305	0.0480
20	9.52	33.443	6.72							20	9.52	33.443	6.72	25.83	217	217	0.0742
30	8.67	33.530	6.53							30	8.67	33.530	6.53	26.04	198	198	0.0950
50	5.48	33.669	6.82							50	5.48	33.669	6.82	26.58	146	146	0.1294
75	2.53	33.783	6.92							75	2.53	33.783	6.92	26.97	109	109	0.1614

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	1.88	33.917	7.01							100	1.87	33.917	7.00	27.13	094	094	0.1868
129	1.64	33.917	6.92							125	1.67	33.917	6.93	27.15	092	092	0.2101
154	1.58	34.015	6.92							150	1.58	33.999	6.92	27.22	085	085	0.2324
203	1.41	34.038	6.72							200	1.42	34.036	6.73	27.26	081	082	0.2744
250	1.05	34.045	6.53							250	1.05	34.045	6.53	27.29	078	078	0.3147
298	0.86	34.088	6.33							300	0.85	34.087	6.32	27.34	074	074	0.3530
395	0.57	34.064	6.23							400	0.56	34.064	6.22	27.34	074	074	0.4273
491	0.39	34.064	6.04														

KOREA .GYUNGBUG 853 . STATION 107-03 . 38-12.6. N. 128-50.6. E, AUG.13.1983. 11:45 KST. DEPTH 1120 . COLOR 3, TRANS. 20.0,
WAVE NE 2. SWELL NE 1, WIND NE 2. BARO 1013. . AIR TEMP. DRY 28.5. WET . CLOUD. TYPE AS. AMT 04. WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	24.49	32.068	5.18							0	24.49	32.068	5.18	21.30	649	649	0.0000
10	14.23	33.266	5.94							10	14.23	33.266	5.94	24.82	314	313	0.0481
20	9.47	33.479	6.62							20	9.47	33.479	6.62	25.87	213	213	0.0745
30	8.08	33.557	6.53							30	8.08	33.557	6.53	26.15	187	187	0.0946
50	5.58	33.706	6.72							50	5.58	33.706	6.72	26.60	144	144	0.1279
75	4.92	33.684	6.92							75	4.92	33.684	6.92	26.66	138	139	0.1634
98	4.59	33.764	6.82							100	4.46	33.767	6.82	26.78	127	128	0.1968
131	2.49	33.817	6.92							125	2.87	33.807	6.90	26.96	110	110	0.2267
155	1.89	33.937	6.62							150	2.01	33.912	6.68	27.12	095	095	0.2525
204	1.41	34.013	6.62							200	1.44	34.006	6.62	27.23	084	084	0.2975
252	1.12	34.001	6.33							250	1.13	34.001	6.34	27.25	082	082	0.3393
299	0.94	34.054	6.33							300	0.93	34.054	6.32	27.31	077	077	0.3794
396	0.59	34.074	6.14							400	0.58	34.071	6.13	27.34	074	073	0.4551
491	0.41	34.009	6.04														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 , STATION 107-04 , 38-12.6. N, 129-03.5. E, AUG.19.1983, 08:20 KST, DEPTH 1295 , COLOR , TRANS. ,
WAVE NE 2, SWELL NE 2, WIND NE 3, BARO 1013. , AIR TEMP. DRY 23.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.05	32.328	5.26							0	23.05	32.328	5.26	21.91	591	590	0.0000
10	13.33	33.250	6.33							10	13.33	33.250	6.33	24.99	297	297	0.0444
20	10.49	33.399	6.62							20	10.49	33.399	6.62	25.64	236	236	0.0711
30	7.08	33.599	6.82							30	7.08	33.599	6.82	26.32	170	170	0.0914
50	4.80	33.678	6.92							50	4.80	33.678	6.92	26.67	138	138	0.1223
75	2.57	33.721	6.92							75	2.57	33.721	6.92	26.92	114	114	0.1539
99	2.49	33.827	7.11							100	2.47	33.827	7.10	27.01	105	105	0.1813
133	2.09	33.857	7.01							125	2.18	33.849	7.03	27.05	101	101	0.2072
157	2.00	33.918	7.11							150	2.02	33.900	7.08	27.11	096	096	0.2320
204	1.99	33.989	6.61							200	1.99	33.982	6.65	27.18	089	090	0.2788
250	1.08	34.007	6.53							250	1.08	34.007	6.53	27.26	081	081	0.3218
296	0.98	34.027	6.33							300	0.97	34.026	6.31	27.28	079	079	0.3623
392	0.88	34.007	6.04							400	0.86	34.006	6.03	27.27	080	080	0.4426
487	0.74	34.003	5.96														

KOREA .GYUNGBUG 853 , STATION 107-05 , 38-12.6. N, 129-22.3. E, AUG.19.1983, 10:25 KST, DEPTH 1080 , COLOR 3, TRANS. 19.0,
WAVE NE 3, SWELL NE 2, WIND NE 5, BARO 1013. , AIR TEMP. DRY 25.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.02	33.395	5.16							0	23.02	33.395	5.16	22.73	513	512	0.0000
10	22.76	33.389	5.45							10	22.76	33.389	5.45	22.80	506	506	0.0509
20	11.38	33.567	6.92							20	11.38	33.567	6.92	25.61	238	238	0.0882
30	7.05	33.669	6.91							30	7.05	33.669	6.91	26.38	165	165	0.1084
50	4.30	33.826	6.72							50	4.30	33.826	6.72	26.84	121	121	0.1371
75	2.42	33.924	6.72							75	2.42	33.924	6.72	27.09	097	097	0.1646

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
101	1.97	33.954	6.53							100	1.98	33.952	6.53	27.15	092	092	0.1883
133	1.66	33.948	6.23							125	1.73	33.949	6.30	27.17	090	090	0.2112
157	1.59	33.974	6.33							150	1.61	33.966	6.30	27.19	088	088	0.2336
204	1.45	34.021	6.33							200	1.46	34.017	6.33	27.24	083	083	0.2767
250	1.21	34.064	6.23							250	1.21	34.064	6.23	27.30	078	078	0.3172
296	1.05	34.035	6.14							300	1.03	34.036	6.13	27.29	079	079	0.3568
390	0.79	34.073	6.04							400	0.76	34.072	6.05	27.33	075	075	0.4340
486	0.57	34.066	6.14														

KOREA ,GYUNGBUG 853 , STATION 107-06 , 38-12.6. N, 129-41.1. E, AUG.19.1983, 12:35 KST, DEPTH 882 , COLOR , TRANS. ,

WAVE NE 3, SWELL NE 2, WIND NE 5, BARO 1013. , AIR TEMP. DRY 28.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.57	33.514	5.26							0	22.57	33.514	5.26	22.95	492	491	0.0000
10	22.49	33.514	5.26							10	22.49	33.514	5.26	22.97	490	490	0.0491
20	11.63	33.983	6.92							20	11.63	33.983	6.92	25.88	212	212	0.0842
30	7.51	34.059	6.91							30	7.51	34.059	6.91	26.62	142	142	0.1019
50	3.23	34.011	6.62							50	3.23	34.011	6.62	27.09	097	097	0.1260
75	2.52	34.021	6.62							75	2.52	34.021	6.62	27.16	091	091	0.1496
101	1.94	34.045	6.53							100	1.96	34.044	6.53	27.23	085	085	0.1716
135	1.80	34.034	6.53							125	1.84	34.037	6.53	27.23	084	084	0.1929
158	1.44	34.059	6.33							150	1.56	34.050	6.39	27.26	081	081	0.2137
205	1.05	34.087	6.43							200	1.09	34.084	6.41	27.32	076	076	0.2532
249	0.91	34.071	6.33							250	0.90	34.071	6.32	27.32	075	075	0.2912
294	0.69	34.084	6.14							300	0.67	34.082	6.13	27.35	073	073	0.3286
390	0.45	34.067	6.04							400	0.44	34.067	6.03	27.35	073	073	0.4020
482	0.38	34.072	5.96														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 , STATION 107-07 , 38-12.6. N, 130-00.0. E, AUG.19.1983, 14:40 KST, DEPTH 846 , COLOR , TRANS. ,
WAVE NW 3, SWELL NW 2, WIND NW 2, BARO 1012. , AIR TEMP. DRY 29.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

0	23.02	33.593	*****							0	23.02	33.593	*****	22.88	498	498	0.0000
10	22.35	33.597	5.44							10	22.35	33.597	5.44	23.07	480	480	0.0489
20	8.19	34.124	7.11							20	8.19	34.124	7.11	26.57	146	146	0.0803
30	5.30	34.074	6.72							30	5.30	34.074	6.72	26.92	113	113	0.0933
50	3.17	34.025	6.81							50	3.17	34.025	6.81	27.11	096	096	0.1143
75	2.58	34.041	6.42							75	2.58	34.041	6.42	27.17	090	090	0.1376
99	2.19	34.070	5.96							100	2.18	34.069	5.97	27.23	084	084	0.1595
126	2.15	34.061	6.23							125	2.15	34.061	6.22	27.23	085	085	0.1807
151	1.65	34.054	6.33							150	1.67	34.054	6.32	27.26	082	082	0.2017
201	1.21	34.060	6.23							200	1.21	34.059	6.23	27.29	078	078	0.2420
249	0.95	34.075	6.04							250	0.94	34.074	6.04	27.32	075	075	0.2807
296	0.61	34.068	6.04							300	0.60	34.068	6.04	27.34	074	074	0.3182
393	0.52	34.078	6.14							400	0.51	34.076	6.14	27.35	073	073	0.3919
489	0.39	34.060	6.14														

10月(October)

KOREA .GANGWON 854 . STATION 107-01 . 38-12.6. N. 128-37.4. E. OCT.15.1983. 06:30 KST. DEPTH 90 . . COLOR 3. TRANS. 16.0.
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1014. . AIR TEMP. DRY 16.6. WET . CLOUD. TYPE AS. AMT 06. WEATHER BC.

0	19.10	32.494	5.39							0	19.10	32.494	5.39	23.10	477	477	0.0000
10	19.06	32.665	5.20							10	19.06	32.665	5.20	23.24	464	464	0.0470
20	18.46	33.324	5.69							20	18.46	33.324	5.69	23.89	402	402	0.0904
30	14.87	33.549	5.78							30	14.87	33.549	5.78	24.90	306	306	0.1258

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	7.40	34.095	5.69							50	7.40	34.095	5.69	26.67	138	138	0.1703
75	4.29	34.084	5.98							75	4.29	34.084	5.98	27.04	102	102	0.2005

KOREA .GANGWON 854 . STATION 107-02 . 38-12.6. N. 128-42.7. E. OCT.15.1983. 08:40 KST. DEPTH 855 . COLOR 3. TRANS. 17.0.
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1014. . AIR TEMP. DRY 16.5. WET . CLOUD. TYPE AS. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.16	32.611	5.29							0	19.16	32.611	5.29	23.17	470	470	0.0000
10	19.23	32.910	5.76							10	19.23	32.910	5.76	23.38	450	450	0.0460
20	13.90	33.054	4.90							20	13.90	33.054	4.90	24.72	323	323	0.0847
30	10.86	33.634	5.39							30	10.86	33.634	5.39	25.75	224	225	0.1121
50	6.28	34.056	5.88							50	6.28	34.056	5.88	26.79	126	126	0.1473
75	3.36	34.025	6.18							75	3.36	34.025	6.18	27.09	097	098	0.1755
99	2.26	34.036	6.18							100	2.23	34.036	6.18	27.20	087	087	0.1987
125	1.67	34.042	6.27							125	1.67	34.042	6.27	27.25	083	083	0.2201
151	1.31	34.045	6.18							150	1.32	34.044	6.18	27.27	080	080	0.2405
200	1.02	34.070	5.98							200	1.02	34.070	5.98	27.31	076	076	0.2799
249	0.80	34.068	6.18							250	0.79	34.068	6.17	27.33	075	075	0.3179
298	0.73	34.081	5.98							300	0.72	34.080	5.98	27.34	074	074	0.3553
396	0.63	34.075	6.37							400	0.61	34.074	6.34	27.34	074	073	0.4293
493	0.36	34.070	5.69														

KOREA .GANGWON 854 . STATION 107-03 . 38-12.6. N. 128-50.6. E. OCT.15.1983. 09:45 KST. DEPTH 1120 . COLOR 3. TRANS. 17.5.
WAVE SW 2. SWELL SW 1. WIND SW 2. BARO 1014. . AIR TEMP. DRY 18.5. WET . CLOUD. TYPE CU. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.86	32.596	5.29							0	18.86	32.596	5.29	23.24	464	464	0.0000
10	18.80	32.987	5.49							10	18.80	32.987	5.49	23.55	434	434	0.0449
20	18.64	33.131	5.29							20	18.64	33.131	5.29	23.70	420	420	0.0876
30	11.68	33.431	5.69							30	11.68	33.431	5.69	25.45	254	254	0.1214

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	7.82	33.996	6.08							50	7.82	33.996	6.08	26.53	151	151	0.1620
75	5.04	34.046	6.08							75	5.04	34.046	6.08	26.93	112	113	0.1952
98	2.48	34.037	6.57							100	2.41	34.037	6.57	27.18	088	089	0.2205
128	1.47	34.038	6.67							125	1.57	34.037	6.66	27.25	082	082	0.2420
152	1.31	34.029	6.67							150	1.32	34.029	6.67	27.26	081	081	0.2626
200	0.95	34.045	6.27							200	0.95	34.045	6.27	27.30	078	078	0.3025
248	0.79	34.071	6.96							250	0.78	34.071	6.92	27.33	075	075	0.3409
295	0.76	34.073	6.08							300	0.74	34.073	6.06	27.33	074	074	0.3784
392	0.51	34.073	5.88							400	0.50	34.072	5.88	27.35	073	073	0.4524
489	0.40	34.069	5.88														

KOREA .GANGWON 854 . STATION 107-04 . 38-12.6. N. 129-03.5. E. OCT.15.1983. 11:40 KST. DEPTH 1296 . . COLOR 3. TRANS. 17.0.
WAVE SW 2. SWELL SW 1. WIND SW 2. BARO 1012.5. AIR TEMP. DRY 19.0. WET . CLOUD. TYPE CU. AMT 09. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.33	32.800	5.29							0	18.33	32.800	5.29	23.53	437	436	0.0000
10	18.15	33.078	5.49							10	18.15	33.078	5.49	23.78	412	412	0.0424
20	18.15	33.323	5.29							20	18.15	33.323	5.29	23.97	394	395	0.0828
30	9.20	33.586	6.46							30	9.20	33.586	6.46	26.00	201	202	0.1127
50	5.64	33.877	6.26							50	5.64	33.877	6.26	26.73	132	132	0.1461
75	4.71	33.906	6.67							75	4.71	33.906	6.67	26.86	119	120	0.1778
96	4.00	33.967	6.76							100	3.76	33.968	6.73	27.01	105	106	0.2061
130	2.00	33.980	6.57							125	2.29	33.978	6.59	27.15	092	092	0.2310
154	1.42	34.010	6.57							150	1.51	34.005	6.57	27.23	084	084	0.2532
203	1.04	34.053	6.76							200	1.06	34.050	6.74	27.30	078	078	0.2941
251	0.99	34.069	6.27							250	0.99	34.068	6.28	27.31	076	076	0.3329
298	0.82	34.080	6.08							300	0.81	34.079	6.07	27.33	074	074	0.3707

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
394	0.62	34.076	*****							400	0.60	34.075	5.76	27.34	073	073	0.4450
490	0.44	34.063	5.49														

KOREA .GANGWON 854 . STATION 107-05 . 38-12.6. N. 129-22.3. E. OCT.15.1983. 14:00 KST. DEPTH 1080 . . COLOR 3. TRANS. 17.5,

WAVE SW 3. SWELL SW 1. WIND SW 3, BARO 1010.5, AIR TEMP. DRY 19.5, WET . CLOUD. TYPE CU. AMT 09, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.15	32.261	5.39							0	18.15	32.261	5.39	23.16	472	471	0.0000
10	18.05	32.743	5.39							10	18.05	32.743	5.39	23.55	434	434	0.0453
20	17.81	33.023	5.39							20	17.81	33.023	5.39	23.82	408	409	0.0875
30	16.96	33.685	5.39							30	16.96	33.685	5.39	24.53	341	341	0.1250
50	10.64	33.706	6.67							50	10.64	33.706	6.67	25.85	215	216	0.1808
75	5.22	33.890	6.67							75	5.22	33.890	6.67	26.79	126	127	0.2238
96	2.68	33.982	6.46							100	2.63	33.984	6.50	27.12	094	094	0.2516
131	2.31	34.006	6.86							125	2.37	34.001	6.79	27.16	091	091	0.2749
155	1.61	34.009	6.96							150	1.75	34.008	6.93	27.21	086	086	0.2972
203	1.12	34.037	6.66							200	1.15	34.035	6.67	27.28	080	080	0.3388
250	1.05	34.056	6.56							250	1.05	34.056	6.56	27.30	078	078	0.3784
296	0.91	34.071	6.37							300	0.90	34.071	6.36	27.32	075	075	0.4169
392	0.71	34.081	6.18							400	0.69	34.080	6.15	27.34	074	073	0.4919
486	0.50	34.073	5.86														

KOREA .GANGWON 854 . STATION 107-06 . 38-12.6. N. 129-41.1. E. OCT.15.1983. 16:25 KST. DEPTH 882 . . COLOR . TRANS. .

WAVE SW 4, SWELL SW 2. WIND SW 4. BARO 1009.5. AIR TEMP. DRY 18.0, WET . CLOUD. TYPE ST. AMT 07, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.23	32.369	5.59							0	18.23	32.369	5.59	23.22	466	465	0.0000
10	17.95	32.731	5.78							10	17.95	32.731	5.78	23.57	433	433	0.0449
20	17.81	32.953	5.59							20	17.81	32.953	5.59	23.77	413	414	0.0873
30	17.64	33.478	5.59							30	17.64	33.476	5.59	24.21	371	372	0.1266

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	6.51	33.888	6.37							50	6.51	33.888	6.37	26.63	142	142	0.1781
75	3.19	33.966	6.26							75	3.19	33.966	6.26	27.06	100	100	0.2085
95	2.23	34.006	6.56							100	2.08	34.006	6.58	27.19	088	088	0.2322
129	1.24	34.006	6.76							125	1.35	34.006	6.73	27.24	083	083	0.2538
153	1.05	34.045	6.67							150	1.07	34.040	6.68	27.29	079	079	0.2742
201	0.75	34.058	6.76							200	0.75	34.057	6.75	27.32	076	075	0.3130
248	0.65	34.075	6.08							250	0.64	34.074	6.08	27.34	074	074	0.3505
295	0.61	34.073	6.08							300	0.60	34.073	6.07	27.34	074	073	0.3874
391	0.51	34.085	5.98							400	0.49	34.081	5.97	27.35	072	072	0.4607
486	0.37	34.046	5.97														

KOREA .GANGWON 854 . STATION 107-07 . 38-12.6. N. 130-00.0. E. OCT.15.1983. 18:50 KST. DEPTH 846 . COLOR . TRANS. .

WAVE SW 4. SWELL SW 2. WIND SW 4. BARO 1009. . AIR TEMP. DRY 18.0. WET . CLOUD. TYPE AS. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.16	32.381	6.08							0	18.16	32.381	6.08	23.25	463	463	0.0000
10	18.08	32.647	5.69							10	18.08	32.647	5.69	23.47	442	442	0.0452
20	18.06	32.880	5.69							20	18.06	32.880	5.69	23.65	424	425	0.0886
30	17.85	33.402	5.69							30	17.85	33.402	5.69	24.10	382	382	0.1290
50	4.35	33.935	6.57							50	4.35	33.935	6.57	26.92	114	114	0.1787
75	2.36	33.976	6.66							75	2.36	33.976	6.66	27.15	092	092	0.2046
99	2.19	34.009	6.56							100	2.17	34.009	6.55	27.18	089	089	0.2273
129	1.65	34.022	6.46							125	1.72	34.020	6.47	27.23	085	085	0.2491
154	1.56	34.059	6.37							150	1.57	34.053	6.38	27.26	081	081	0.2700
203	1.10	34.048	6.18							200	1.12	34.048	6.19	27.29	079	079	0.3102
251	0.98	34.074	6.27							250	0.98	34.073	6.26	27.32	076	076	0.3491
299	0.65	34.074	6.08							300	0.64	34.073	6.07	27.34	074	074	0.3867

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
396	0.59	34.070	5.98							400	0.58	34.069	5.97	27.34	074	074	0.4607
493	0.43	34.064	5.97														

12月(December)

KOREA .GANGWON 854 . STATION 107-01 . 38-12.6. N. 128-37.4. E. DEC.16.1983. 10:00 KST. DEPTH 90 ., COLOR 3, TRANS. 19.0,
WAVE NW 4. SWELL NW 3. WIND NW 4. BARO 1019. . AIR TEMP. DRY 0.8, WET , CLOUD. TYPE CI. AMT 02, WEATHER B ,

0	12.61	33.909	5.87							0	12.61	33.909	5.87	25.64	235	235	0.0000
10	12.49	33.916	5.87							10	12.49	33.916	5.87	25.67	232	232	0.0234
20	12.46	33.889	5.77							20	12.46	33.889	5.77	25.65	234	234	0.0467
30	12.21	33.875	5.87							30	12.21	33.875	5.87	25.69	230	231	0.0700
50	11.49	33.872	5.57							50	11.49	33.872	5.57	25.82	218	218	0.1150
75	10.51	33.887	5.57							75	10.51	33.887	5.57	26.01	200	201	0.1676

KOREA .GANGWON 854 . STATION 107-02 . 38-12.6. N. 128-42.7. E. DEC.16.1983. 10:50 KST. DEPTH 855 . COLOR 3. TRANS. 18.0.
WAVE SE 4. SWELL SE 3. WIND SE 4, BARO 1019. , AIR TEMP. DRY 2.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	12.25	33.865	5.67							0	12.25	33.865	5.67	25.68	232	231	0.0000
10	12.22	33.882	5.77							10	12.22	33.882	5.77	25.69	230	230	0.0231
20	12.01	33.826	5.87							20	12.01	33.826	5.87	25.69	230	230	0.0461
30	11.73	33.825	5.97							30	11.73	33.825	5.97	25.74	225	226	0.0690
50	11.18	33.720	5.67							50	11.18	33.720	5.67	25.76	223	224	0.1141
75	10.45	33.698	5.67							75	10.45	33.698	5.67	25.87	213	214	0.1690
98	7.29	33.986	5.77							100	7.06	33.981	5.78	26.62	142	143	0.2138
130	3.73	33.907	6.07							125	4.28	33.919	6.02	26.91	114	115	0.2461
154	2.94	33.899	6.27							150	3.07	33.900	6.23	27.02	104	105	0.2737
202	1.48	33.893	6.27							200	1.54	33.893	6.27	27.14	093	093	0.3235

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
250	1.06	33.904	6.07							250	1.06	33.904	6.07	27.18	089	089	0.3693
297	0.95	33.881	6.07							300	0.94	33.880	6.06	27.17	090	090	0.4144
394	0.72	33.850	5.87							400	0.71	33.850	5.85	27.16	091	091	0.5055
490	0.65	33.854	5.67														

KOREA .GANGWON 854 . STATION 107-03 . 38-12.6. N. 128-50.6. E. DEC.17.1983. 08:50 KST. DEPTH 1120 . , COLOR . TRANS. .
WAVE NW 3. SWELL NW 2. WIND NW 3. BARO 1018. , AIR TEMP. DRY - 1.0. WET , CLOUD. TYPE CI. AMT 02. WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.06	33.857	5.77							0	12.06	33.857	5.77	25.71	229	229	0.0000
10	12.03	33.899	5.67							10	12.03	33.899	5.67	25.74	225	225	0.0227
20	11.38	33.830	5.97							20	11.38	33.830	5.97	25.81	219	219	0.0449
30	10.93	33.891	5.97							30	10.93	33.891	5.97	25.94	207	207	0.0663
50	9.76	33.990	5.77							50	9.76	33.990	5.77	26.22	180	181	0.1052
75	6.47	34.009	5.97							75	6.47	34.009	5.97	26.73	132	133	0.1445
98	4.16	33.939	5.97							100	4.05	33.937	5.97	26.95	110	111	0.1751
129	2.58	33.916	6.01							125	2.78	33.918	6.00	27.06	100	101	0.2017
154	1.80	33.888	6.17							150	1.92	33.892	6.14	27.11	096	096	0.2264
202	1.02	33.885	5.97							200	1.05	33.885	5.97	27.16	091	090	0.2732
251	0.81	33.889	5.87							250	0.81	33.888	5.87	27.18	089	089	0.3183
298	0.72	33.885	5.77							300	0.71	33.885	5.77	27.18	089	088	0.3628
394	0.60	33.900	5.77							400	0.59	33.898	5.76	27.20	087	087	0.4507
491	0.56	33.880	5.67														

KOREA .GANGWON 854 . STATION 107-04 . 38-12.6. N, 129-03.5. E, DEC.17.1983. 10:30 KST. DEPTH 1296 , COLOR , TRANS. .
WAVE NW 3. SWELL NW 2. WIND NW 4, BARO 1018. , AIR TEMP. DRY - 1.0, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.49	33.906	5.47							0	12.49	33.906	5.47	25.66	233	233	0.0000
10	12.52	33.928	5.67							10	12.52	33.928	5.67	25.67	232	232	0.0232

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	12.51	33.904	5.77							20	12.51	33.904	5.77	25.66	234	234	0.0466
30	12.48	33.895	5.77							30	12.48	33.895	5.77	25.65	234	234	0.0700
50	11.38	33.915	5.77							50	11.38	33.915	5.77	25.88	213	213	0.1149
75	11.32	33.924	5.87							75	11.32	33.924	5.87	25.90	211	212	0.1682
98	7.92	33.986	6.07							100	7.55	33.982	6.07	26.56	148	149	0.2135
129	2.20	33.926	6.07							125	2.93	33.933	6.07	27.06	101	101	0.2450
153	1.56	33.898	6.17							150	1.64	33.901	6.15	27.14	093	093	0.2694
202	1.06	33.882	5.97							200	1.08	33.882	5.97	27.16	091	091	0.3156
250	0.92	33.881	5.97							250	0.92	33.881	5.97	27.17	090	090	0.3611
297	0.76	33.888	6.07							300	0.75	33.887	6.05	27.18	089	088	0.4059
394	0.55	33.885	5.67							400	0.54	33.885	5.66	27.19	088	087	0.4942
490	0.47	33.886	5.57														

KOREA .GANGWON 854 . STATION 107-05 . 38-12.6. N. 129-22.3. E. DEC.16.1983. 12:30 KST. DEPTH 1080 . COLOR 3. TRANS. 17.0.

WAVE NW 2. SWELL NW 1. WIND NW 3. BARO 1017. . AIR TEMP. DRY 4.6. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.70	33.787	5.47							0	11.70	33.787	5.47	25.72	228	227	0.0000
10	11.72	33.762	5.47							10	11.72	33.762	5.47	25.70	230	230	0.0229
20	11.66	33.776	5.47							20	11.66	33.776	5.47	25.72	228	228	0.0458
30	10.74	33.765	5.57							30	10.74	33.765	5.57	25.88	213	213	0.0679
50	9.41	33.753	5.67							50	9.41	33.753	5.67	26.09	192	193	0.1086
75	9.15	33.723	5.67							75	9.15	33.723	5.67	26.11	190	191	0.1567
99	9.03	33.783	5.97							100	8.80	33.785	5.97	26.21	181	182	0.2035
129	2.26	33.843	6.07							125	3.16	33.835	6.05	26.96	110	110	0.2402
153	1.86	33.856	6.27							150	1.91	33.854	6.24	27.08	099	099	0.2665
201	1.29	33.865	5.87							200	1.30	33.864	5.87	27.13	094	094	0.3149

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
249	0.93	33.880	5.97							250	0.92	33.880	5.97	27.17	090	090	0.3610
297	0.80	33.910	6.07							300	0.79	33.909	6.05	27.20	087	087	0.4055
396	0.61	33.888	5.67							400	0.60	33.886	5.66	27.19	088	087	0.4933
491	0.53	33.863	5.57														

KOREA .GANGWON 854 . STATION 107-06 . 38-12.6. N. 129-41.1. E. DEC.16.1983. 14:45 KST. DEPTH 882 . COLOR 3. TRANS. 17.0.
WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1016. . AIR TEMP. DRY 4.4. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

0	12.83	34.003	5.37							0	12.83	34.003	5.37	25.67	232	232	0.0000
10	12.86	33.990	5.37							10	12.86	33.990	5.37	25.65	234	234	0.0233
20	12.81	33.953	5.37							20	12.81	33.953	5.37	25.63	236	236	0.0468
30	12.80	33.951	5.47							30	12.80	33.951	5.47	25.64	236	236	0.0705
50	12.64	33.957	5.37							50	12.64	33.957	5.37	25.67	232	233	0.1175
75	10.02	33.973	5.37							75	10.02	33.973	5.37	26.16	185	187	0.1701
98	6.22	34.016	5.88							100	6.01	34.008	5.89	26.78	126	127	0.2095
131	2.80	33.889	6.17							125	3.42	33.912	6.11	27.00	106	107	0.2389
155	2.24	33.902	6.37							150	2.35	33.899	6.32	27.08	098	099	0.2647
203	2.14	33.886	6.17							200	2.14	33.887	6.18	27.09	098	098	0.3143
250	1.69	33.872	6.07							250	1.69	33.872	6.07	27.11	096	096	0.3631
298	1.09	33.875	5.77							300	1.07	33.875	5.76	27.15	091	092	0.4102
395	0.60	33.875	5.47							400	0.58	33.875	5.47	27.18	089	088	0.5006
491	0.40	33.889	5.47														

KOREA .GANGWON 854 . STATION 107-07 . 38-12.6. N. 130-00.0. E, DEC.18.1983. 17:00 KST, DEPTH 846 . COLOR . TRANS. .
WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1017. . AIR TEMP. DRY 2.0. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

0	13.11	33.935	5.57							0	13.11	33.935	5.57	25.56	243	242	0.0000
10	13.14	33.930	5.37							10	13.14	33.930	5.37	25.55	244	244	0.0243

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	12.95	33.947	5.57							20	12.95	33.947	5.57	25.60	239	239	0.0485
30	12.83	33.928	5.37							30	12.83	33.928	5.37	25.61	238	238	0.0724
50	12.69	33.929	5.37							50	12.69	33.929	5.37	25.64	235	236	0.1199
75	12.59	33.906	5.27							75	12.59	33.906	5.27	25.64	235	236	0.1791
97	9.15	34.045	5.68							100	8.58	34.030	5.72	26.44	159	161	0.2289
130	2.93	33.885	6.17							125	3.87	33.909	6.09	26.95	111	112	0.2630
153	2.02	33.876	6.07							150	2.13	33.877	6.08	27.08	098	099	0.2894
202	1.17	33.865	6.17							200	1.20	33.865	6.16	27.14	093	093	0.3376
250	1.10	33.894	5.67							250	1.10	33.894	5.67	27.17	090	090	0.3836
297	1.00	33.890	5.77							300	0.99	33.889	5.76	27.17	090	090	0.4289
394	0.89	33.889	5.67							400	0.87	******	5.67	*****	***	***	******
491	0.69	******	5.67														

106線 海洋觀測 成績

Oceanographic Data. Line 106

2 月(February)

KOREA .GANGWON 854 . STATION 106-02 . 37-53.7. N. 128-52.5. E. FEB.24.1983. 05:40 KST. DEPTH 58 . COLOR . TRANS. .

WAVE NW 1, SWELL NW 1. WIND NW 2. BARO 1019. , AIR TEMP. DRY 2.4. WET , CLOUD. TYPE , AMT , WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	4.53	33.998	6.91							0	4.53	33.998	6.91	26.95	111	110	0.0000
10	4.54	34.018	7.11							10	4.54	34.018	7.11	26.97	109	109	0.0110
20	4.49	34.033	6.81							20	4.49	34.033	6.81	26.98	108	108	0.0219
30	4.23	34.011	6.81							30	4.23	34.011	6.81	26.99	107	107	0.0326
50	3.59	34.006	6.81							50	3.59	34.006	6.81	27.05	101	101	0.0535

KOREA .GANGWON 654 . STATION 106-03 , 37-53.7. N. 128-57.2. E, FEB.24.1983. 00:40 KST, DEPTH 320 . COLOR , TRANS. .

WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1019. , AIR TEMP. DRY 2.5, WET , CLOUD. TYPE , AMT , WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	4.72	33.961	6.81							0	4.72	33.961	6.81	26.90	115	115	0.0000
10	4.70	33.955	7.01							10	4.70	33.955	7.01	26.90	116	115	0.0115
20	4.64	33.988	6.91							20	4.64	33.988	6.91	26.93	113	112	0.0230
30	4.61	33.996	6.81							30	4.61	33.996	6.81	26.94	112	112	0.0342
50	4.30	33.995	6.81							50	4.30	33.995	6.81	26.97	109	109	0.0564
75	3.07	33.994	6.81							75	3.07	33.994	6.81	27.09	097	097	0.0822
100	2.58	33.986	6.81							100	2.58	33.986	6.81	27.13	094	094	0.1063
125	2.00	33.983	7.11							125	2.00	33.983	7.11	27.17	089	090	0.1293
150	1.91	34.004	7.11							150	1.91	34.004	7.11	27.20	087	087	0.1516
199	1.61	34.002	6.71							200	1.60	34.002	6.70	27.22	085	085	0.1951
254	1.32	34.002	6.62							250	1.34	34.002	6.62	27.24	083	084	0.2376
296	1.10	34.009	6.42														

KOREA .GANGWON 854 , STATION 106-04 , 37-53.7. N, 129-03.8. E, FEB.23.1983. 23:10 KST. DEPTH 710 . COLOR . TRANS. ,

WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1019. , AIR TEMP. DRY 2.5, WET . CLOUD. TYPE . AMT . WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	4.86	33.952	6.91							0	4.86	33.952	6.91	26.88	118	117	0.0000
10	4.81	33.956	6.91							10	4.81	33.956	6.91	26.89	117	117	0.0117
20	4.70	33.957	6.91							20	4.70	33.957	6.91	26.90	116	115	0.0233
30	4.65	33.960	6.81							30	4.65	33.960	6.81	26.91	115	115	0.0349
50	4.50	33.970	6.81							50	4.50	33.970	6.81	26.93	112	113	0.0577
75	3.45	33.985	6.81							75	3.45	33.985	6.81	27.05	101	101	0.0846
100	2.88	33.993	6.71							100	2.88	33.993	6.71	27.11	096	096	0.1094
127	2.71	33.987	6.71							125	2.72	33.987	6.71	27.12	095	095	0.1334
152	1.99	33.984	6.61							150	2.04	33.984	6.61	27.17	090	090	0.1567
201	1.88	34.001	6.22							200	1.88	34.000	6.22	27.20	087	088	0.2013
248	1.33	34.002	6.22							250	1.31	34.002	6.20	27.24	083	083	0.2443
296	1.04	34.015	5.92							300	1.02	34.014	5.91	27.27	081	081	0.2856
394	0.76	34.013	5.72							400	0.74	34.012	5.71	27.28	079	079	0.3659
491	0.54	34.009	5.63														

KOREA .GANGWON 854 , STATION 106-05 , 37-53.7. N, 129-22.1. E, FEB.23.1983, 20:50 KST. DEPTH 1120 . COLOR . TRANS. .

WAVE NW 1, SWELL NW 1. WIND NW 1. BARO 1021. . AIR TEMP. DRY 3.8, WET , CLOUD. TYPE . AMT . WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.94	34.244	6.71							0	7.94	34.244	6.71	26.71	134	134	0.0000
10	7.94	34.260	6.71							10	7.94	34.260	6.71	26.72	133	133	0.0133
20	7.95	34.271	6.62							20	7.95	34.271	6.62	26.72	132	132	0.0266
30	7.59	34.255	6.62							30	7.59	34.255	6.62	26.77	128	128	0.0397
50	6.21	34.180	6.41							50	6.21	34.180	6.41	26.89	116	116	0.0643
75	4.17	34.021	6.51							75	4.17	34.021	6.51	27.01	105	106	0.0922

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
100	3.00	34.011	6.71							100	3.00	34.011	6.71	27.11	095	096	0.1174
127	1.98	34.010	6.41							125	2.05	34.010	6.43	27.19	088	088	0.1405
152	1.74	34.008	6.22							150	1.75	34.008	6.23	27.21	086	086	0.1624
201	1.54	34.007	6.12							200	1.54	34.007	6.12	27.23	084	085	0.2053
250	1.15	34.006	5.92							250	1.15	34.006	5.92	27.25	082	082	0.2472
298	0.96	34.006	5.82							300	0.95	34.005	5.81	27.27	081	081	0.2881
395	0.79	******	5.63							400	0.77	34.003	5.63	27.28	080	080	0.3689
491	0.46	34.003	5.63														

KOREA .GANGWON 854 . STATION 106-06 . 37-53.7. N, 129-41.3. E. FEB.23.1983. 16:10 KST, DEPTH 1620 . COLOR , TRANS. .

WAVE NE 2. SWELL NE 1. WIND NE 2. BARO 1021. . AIR TEMP. DRY 6.0. WET . CLOUD. TYPE CU, AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	8.51	34.252	6.41							0	8.51	34.252	6.41	26.63	142	141	0.0000
10	8.52	34.272	6.41							10	8.52	34.272	6.41	26.64	140	140	0.0141
20	8.09	34.261	6.22							20	8.09	34.261	6.22	26.70	135	135	0.0279
30	8.00	34.261	6.22							30	8.00	34.261	6.22	26.71	134	134	0.0414
50	7.97	34.220	6.22							50	7.97	34.220	6.22	26.68	136	137	0.0685
75	7.95	******	6.22							75	7.95	34.208	6.22	26.68	137	138	0.1029
100	7.92	34.197	6.22							100	7.92	34.197	6.22	26.67	137	139	0.1376
131	6.60	34.185	6.22							125	6.85	34.187	6.22	26.81	124	125	0.1707
155	5.01	34.195	6.22							150	5.34	34.192	6.22	27.01	105	106	0.1997
203	2.44	34.193	6.12							200	2.60	34.193	6.12	27.29	078	079	0.2463
250	2.28	34.163	6.12							250	2.28	34.163	6.12	27.30	078	079	0.2860
297	1.50	34.109	5.82							300	1.47	34.108	5.81	27.31	076	077	0.3251
394	0.81	34.104	5.72							400	0.78	34.101	5.71	27.35	073	073	0.4002
490	0.48	34.062	5.63														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 106-07 . 37-53.7. N. 130-00.0. E. FEB.23.1983. 15:40 KST. DEPTH 1060 . COLOR 4, TRANS. 15.0.																	
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1022. , AIR TEMP. DRY 6.5, WET , CLOUD. TYPE CU, AMT 03, WEATHER BC.																	
0	8.21	34.218	6.32							0	8.21	34.218	6.32	26.64	140	139	0.0000
10	8.15	34.216	6.22							10	8.15	34.216	6.22	26.65	139	139	0.0139
20	8.13	34.235	6.22							20	8.13	34.235	6.22	26.67	137	137	0.0278
30	8.10	34.222	6.22							30	8.10	34.222	6.22	26.66	138	138	0.0416
50	8.02	34.220	6.22							50	8.02	34.220	6.22	26.67	137	137	0.0693
75	7.96	34.220	6.32							75	7.96	34.220	6.32	26.68	136	137	0.1037
100	7.93	34.219	6.22							100	7.93	34.219	6.22	26.69	136	137	0.1381
127	7.84	34.215	6.22							125	7.84	34.215	6.22	26.70	135	137	0.1724
152	4.69	34.116	6.12							150	4.94	34.123	6.12	27.00	106	107	0.2030
201	2.97	34.112	6.12							200	3.00	34.112	6.12	27.19	088	089	0.2521
249	2.21	34.105	6.12							250	2.19	34.104	6.11	27.26	082	082	0.2951
297	1.26	34.071	5.72							300	1.24	34.070	5.72	27.30	078	078	0.3355
394	0.67	34.058	5.72							400	0.65	34.058	5.71	27.33	075	075	0.4123
490	0.41	34.058	5.63														
KOREA .GANGWON 854 . STATION 106-08 , 37-53.7. N. 130-18.9. E. FEB.23.1983. 13:00 KST. DEPTH 1800 , COLOR 3, TRANS. 16.0,																	
WAVE NW 2. SWELL NW 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 6.5, WET . CLOUD. TYPE CU, AMT 07, WEATHER BC.																	
0	8.93	34.193	6.12							0	8.93	34.193	6.12	26.51	152	152	0.0000
10	8.87	34.190	6.22							10	8.87	34.190	6.22	26.52	152	151	0.0152
20	8.66	34.217	6.22							20	8.66	34.217	6.22	26.57	146	146	0.0301
30	8.53	34.154	6.32							30	8.53	34.154	6.32	26.55	149	149	0.0449
50	8.00	34.135	6.32							50	8.00	34.135	6.32	26.61	143	143	0.0743
75	7.62	34.135	6.32							75	7.62	34.135	6.32	26.67	138	139	0.1097

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	6.16	34.127	6.12							100	6.14	34.125	6.11	26.86	119	120	0.1422
130	5.78	34.070	6.02							125	5.82	34.079	6.03	26.86	119	120	0.1724
154	3.31	34.082	5.92							150	3.71	34.080	5.93	27.10	096	097	0.1997
202	1.80	34.073	5.72							200	1.86	34.073	5.72	27.26	082	082	0.2448
250	0.94	34.081	5.72							250	0.94	34.081	5.72	27.33	075	075	0.2843
298	0.62	34.063	5.53							300	0.61	34.062	5.53	27.33	074	074	0.3218
395	0.43	34.059	5.53							400	0.42	34.058	5.53	27.34	074	073	0.3961
491	0.33	34.056	5.53														

KOREA .GANGWON 854 . STATION 106-09 . 37-53.7. N. 130-37.7. E. FEB.23.1983. 10:45 KST. DEPTH 2250 . . COLOR 3. TRANS. 18.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1025. , AIR TEMP. DRY 8.4. WET . CLOUD. TYPE CU. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.61	34.291	6.12							0	10.61	34.291	6.12	26.31	172	171	0.0000
10	10.63	34.291	6.32							10	10.63	34.291	6.32	26.30	172	172	0.0172
20	10.65	34.291	6.22							20	10.65	34.291	6.22	26.30	172	172	0.0344
30	10.68	34.290	6.22							30	10.68	34.290	6.22	26.29	173	173	0.0518
50	10.62	34.286	6.22							50	10.62	34.286	6.22	26.30	172	173	0.0865
75	10.50	34.283	6.32							75	10.50	34.283	6.32	26.32	170	172	0.1297
100	9.80	34.261	6.22							100	9.80	34.261	6.22	26.42	161	162	0.1716
127	9.70	34.219	6.12							125	9.70	34.222	6.12	26.41	162	164	0.2126
152	8.83	34.134	6.12							150	8.89	34.140	6.12	26.48	156	158	0.2530
201	2.74	34.070	6.12							200	2.86	34.071	6.12	27.17	090	090	0.3154
250	1.36	34.059	5.92							250	1.36	34.059	5.92	27.28	079	079	0.3581
298	1.01	34.064	5.72							300	1.00	34.064	5.72	27.31	077	077	0.3974
396	0.52	34.065	5.72							400	0.51	34.064	5.71	27.34	074	073	0.4729
497	0.36	34.064	5.62														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 106-10 . 37-53.7. N. 130-56.5. E. FEB.23.1983. 08:20 KST. DEPTH 1980 . COLOR 3. TRANS. 17.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1025. . AIR TEMP. DRY 5.4. WET . CLOUD. TYPE ST. AMT 07. WEATHER BC.

0	10.58	34.275	6.12							0	10.58	34.275	6.12	26.30	172	172	0.0000
10	10.59	34.291	6.12							10	10.59	34.291	6.12	26.31	171	171	0.0172
20	10.54	34.294	6.22							20	10.54	34.294	6.22	26.32	170	170	0.0343
30	10.53	34.282	6.11							30	10.53	34.282	6.12	26.31	171	171	0.0514
50	10.49	34.280	6.02							50	10.49	34.280	6.02	26.32	170	171	0.0858
75	10.31	34.268	6.02							75	10.31	34.268	6.02	26.34	168	170	0.1285
100	10.10	34.259	6.02							100	10.10	34.259	6.02	26.37	166	167	0.1708
127	9.23	34.229	6.02							125	9.29	34.231	6.02	26.48	155	157	0.2115
152	8.17	34.223	5.92							150	8.25	34.223	5.92	26.64	140	142	0.2490
201	3.76	34.145	5.83							200	3.85	34.146	5.83	27.14	093	094	0.3084
250	1.93	34.134	5.72							250	1.93	34.134	5.72	27.30	077	078	0.3517
298	1.14	34.119	5.72							300	1.12	34.117	5.71	27.34	073	073	0.3898
395	0.55	34.061	5.43							400	0.54	34.060	5.42	27.33	074	074	0.4641
491	0.48	34.047	5.33														

KOREA .GANGWON 854 . STATION 106-11 . 37-53.7. N. 131-15.1. E. FEB.23.1983. 06:05 KST. DEPTH 2070 . COLOR . TRANS. .

WAVE N 2. SWELL N 1. WIND N 2. BARO 1025. . AIR TEMP. DRY 4.0. WET . CLOUD. TYPE . AMT . WEATHER BC.

0	10.82	34.351	6.12							0	10.82	34.351	6.12	26.32	171	170	0.0000
10	10.87	34.361	6.02							10	10.87	34.361	6.02	26.32	171	171	0.0171
20	10.88	34.378	5.92							20	10.88	34.378	5.92	26.33	170	170	0.0342
30	10.93	34.359	5.92							30	10.93	34.359	5.92	26.30	172	172	0.0513
50	10.93	34.362	5.72							50	10.93	34.362	5.72	26.31	172	173	0.0859
75	10.82	34.360	5.92							75	10.82	34.360	5.92	26.32	170	171	0.1291

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
97	10.44	34.317	6.02							100	10.25	34.307	6.02	26.38	165	166	0.1714
128	8.50	34.218	6.02							125	8.68	34.227	6.02	26.58	146	148	0.2108
153	6.32	34.129	5.82							150	6.58	34.139	5.84	26.81	124	125	0.2451
202	2.43	34.103	5.82							200	2.58	34.104	5.82	27.22	085	086	0.2981
251	1.44	34.049	5.72							250	1.46	34.050	5.72	27.27	081	081	0.3400
300	1.19	34.048	5.73							300	1.19	34.048	5.73	27.28	079	079	0.3803
398	0.67	34.047	5.53							400	0.66	34.047	5.52	27.32	076	076	0.4583
495	0.37	34.047	5.43														

4 月(April)

KOREA .GANGWON 854 . STATION 106-02 . 37-53.7. N. 128-52.5. E. APR. 9.1983. 22:50 KST. DEPTH 58 . COLOR . TRANS. .

WAVE 5 2. SWELL 5 1. WIND 5 2. BARO 1017.5. AIR TEMP. DRY 7.5. WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.00	34.017	6.86							0	7.00	34.017	6.86	26.66	138	138	0.0000
10	5.09	33.991	6.86							10	5.09	33.991	6.86	26.88	117	117	0.0127
20	3.47	33.996	6.86							20	3.47	33.996	6.86	27.06	101	100	0.0237
30	2.63	33.983	6.66							30	2.63	33.983	6.66	27.12	094	094	0.0334
50	2.10	33.968	6.57							50	2.10	33.968	6.57	27.15	091	091	0.0521

KOREA .GANGWON 854 . STATION 106-03 . 37-53.7. N. 128-57.2. E. APR. 9.1983. 20:00 KST. DEPTH 320 . COLOR . TRANS. .

WAVE 5 2. SWELL 5 1. WIND 5 3. BARO 1008. . AIR TEMP. DRY 8.0. WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.03	34.099	7.26							0	7.03	34.099	7.26	26.72	132	132	0.0000
10	5.92	34.085	7.26							10	5.92	34.085	7.26	26.86	120	119	0.0126
20	3.46	34.039	6.86							20	3.46	34.039	6.86	27.09	097	097	0.0234
30	3.19	34.031	6.76							30	3.19	34.031	6.76	27.11	095	095	0.0331
50	2.88	34.027	6.67							50	2.88	34.027	6.67	27.14	093	093	0.0520

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	2.01	34.042	6.57							75	2.01	34.042	6.57	27.22	085	085	0.0744
104	1.69	34.039	6.57							100	1.73	34.039	6.57	27.24	083	083	0.0956
128	1.49	34.057	6.47							125	1.51	34.054	6.48	27.27	081	081	0.1162
151	1.22	34.073	6.27							150	1.23	34.072	6.27	27.30	077	077	0.1361
198	1.01	34.099	5.98							200	1.00	34.096	5.98	27.34	074	074	0.1742
245	0.85	34.049	6.08							250	0.83	34.053	6.08	27.31	076	076	0.2121
290	0.75	34.086	6.08														

KOREA .GANGWON 854 , STATION 106-04 , 37-53.7. N, 129-03.8. E, APR. 9.1983, 20:50 KST. DEPTH 710. , COLOR , TRANS.

WAVE 5 2, SWELL 5 1, WIND 5 3. BARO 1008. . AIR TEMP. DRY 8.0, WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.73	34.135	7.05							0	7.73	34.135	7.05	26.65	139	139	0.0000
10	7.33	34.145	7.16							10	7.33	34.145	7.16	26.72	133	133	0.0136
20	5.29	34.064	7.06							20	5.29	34.064	7.06	26.92	114	114	0.0260
30	3.86	34.034	7.06							30	3.86	34.034	7.06	27.05	101	101	0.0368
50	2.45	34.010	6.96							50	2.45	34.010	6.96	27.16	091	091	0.0561
75	2.02	34.014	6.76							75	2.02	34.014	6.76	27.20	087	087	0.0784
99	1.85	34.049	7.06							100	1.84	34.049	7.05	27.24	083	083	0.0999
132	1.58	34.054	6.96							125	1.63	34.052	6.98	27.26	082	082	0.1206
156	1.27	34.078	6.37							150	1.34	34.072	6.51	27.29	078	078	0.1407
203	1.01	34.090	6.37							200	1.02	34.069	6.37	27.33	075	075	0.1792
250	0.84	34.073	6.08							250	0.84	34.073	6.08	27.33	075	075	0.2169
296	0.67	34.075	6.18							300	0.66	34.072	6.17	27.34	074	074	0.2543
392	0.54	34.062	5.98							400	0.53	34.062	5.97	27.34	074	074	0.3286
486	0.46	34.069	5.88														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 106-05 . 37-53.7. N. 129-22.1. E, APR. 9.1983. 18:50 KST, DEPTH 1120 , COLOR , TRANS. .

WAVE 5 2. SWELL 5 1. WIND 5 3. BARO 1008. . AIR TEMP. DRY 9.2. WET . CLOUD. TYPE NS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.14	34.078	7.35							0	7.14	34.078	7.35	26.69	135	135	0.0000
10	6.42	34.077	7.26							10	6.42	34.077	7.26	26.79	126	126	0.0131
20	5.87	34.058	7.26							20	5.87	34.058	7.26	26.84	121	121	0.0255
30	4.17	34.029	7.26							30	4.17	34.029	7.26	27.01	105	105	0.0368
50	2.72	34.011	6.76							50	2.72	34.011	6.76	27.14	093	093	0.0567
75	2.06	34.011	6.96							75	2.06	34.011	6.96	27.19	088	088	0.0794
98	1.72	34.030	6.86							100	1.71	34.032	6.84	27.24	084	084	0.1009
134	1.56	34.080	6.57							125	1.60	34.067	6.64	27.27	080	080	0.1215
158	1.31	34.048	6.28							150	1.39	34.058	6.37	27.28	080	080	0.1416
205	1.02	34.059	5.78							200	1.05	34.057	5.83	27.30	077	077	0.1811
251	0.88	34.072	5.78							250	0.88	34.071	5.78	27.32	075	075	0.2195
296	0.70	34.072	5.88							300	0.69	34.071	5.88	27.34	074	074	0.2571
390	0.53	34.060	5.88							400	0.52	34.059	5.86	27.34	074	074	0.3315
485	0.44	34.059	5.78														

KOREA .GANGWON 854 . STATION 106-06 . 37-53.7. N. 129-41.3. E. APR. 9.1983. 16:35 KST. DEPTH 1620 , COLOR 4. TRANS. .

WAVE 5 4. SWELL 5 2. WIND 5 4. BARO 1008. . AIR TEMP. DRY 9.0. WET . CLOUD. TYPE NS. AMT 10, WEATHER C .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	8.15	34.228	6.76							0	8.15	34.228	6.76	26.66	138	138	0.0000
10	8.18	34.240	6.67							10	8.18	34.240	6.67	26.67	138	138	0.0138
20	6.71	34.121	6.86							20	6.71	34.121	6.86	26.78	127	127	0.0270
30	5.29	34.086	6.76							30	5.29	34.088	6.76	26.94	112	112	0.0390
50	3.07	33.986	7.06							50	3.07	33.986	7.06	27.09	098	098	0.0601
75	2.45	33.980	6.96							75	2.45	33.980	6.96	27.14	093	093	0.0841

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
98	2.19	34.000	7.06							100	2.16	34.001	7.04	27.18	089	089	0.1070
141	1.69	34.034	6.76							125	1.87	34.021	6.87	27.21	086	086	0.1291
164	1.49	34.044	6.76							150	1.61	34.037	6.70	27.25	083	083	0.1502
210	1.47	34.000	6.37							200	1.47	34.009	6.45	27.23	084	084	0.1921
256	1.06	34.056	6.37							250	1.11	34.048	6.37	27.29	078	079	0.2330
301	0.88	34.055	5.59							300	0.88	34.055	5.60	27.31	077	077	0.2720
394	0.50	34.070	5.59														

KOREA ,GANGWON 854 . STATION 106-07 , 37-53.7. N. 130-00.0. E. APR. 9.1983. 14:25 KST. DEPTH 1060 . COLOR 4. TRANS. ,

WAVE S 3. SWELL S 2. WIND S 3. BARO 1009. , AIR TEMP. DRY 9.0. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	8.99	34.246	6.86							0	8.99	34.246	6.86	26.54	149	149	0.0000
10	8.93	34.234	6.86							10	8.93	34.234	6.86	26.55	149	149	0.0149
20	7.92	34.235	6.86							20	7.92	34.235	6.86	26.70	134	134	0.0291
30	6.38	34.063	6.86							30	6.38	34.063	6.86	26.78	127	127	0.0422
50	3.57	34.041	7.26							50	3.57	34.041	7.26	27.08	098	098	0.0648
75	3.03	34.054	6.18							75	3.03	34.054	6.18	27.15	092	092	0.0888
96	2.49	34.055	5.88							100	2.42	34.055	5.86	27.20	087	087	0.1114
139	1.76	34.060	5.69							125	1.99	34.058	5.75	27.24	084	084	0.1329
161	1.39	34.065	5.69							150	1.57	34.062	5.69	27.27	080	081	0.1536
207	1.15	34.071	5.78							200	1.18	34.070	5.76	27.30	077	077	0.1933
252	0.98	34.078	5.78							250	0.98	34.077	5.78	27.32	076	075	0.2318
296	0.85	34.080	5.78							300	0.83	34.078	5.77	27.33	075	074	0.2695
390	0.50	34.054	5.69							400	0.48	34.056	5.67	27.34	074	074	0.3442
482	0.35	34.078	5.59														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 106-08 , 37-53.7. N, 130-18.9. E. APR. 9.1983. 12:00 KST, DEPTH 1800 , COLOR 4, TRANS. .

WAVE 5 3. SWELL 5 2, WIND 5 3, BARO 1012. , AIR TEMP. DRY 12.1, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	10.84	34.358	6.37							0	10.84	34.358	6.37	26.32	171	170	0.0000
10	10.75	34.356	6.37							10	10.75	34.356	6.37	26.33	169	169	0.0170
20	10.59	34.351	6.47							20	10.59	34.351	6.47	26.36	167	167	0.0338
30	10.23	34.332	6.37							30	10.23	34.332	6.37	26.41	162	163	0.0504
50	9.78	34.335	6.27							50	9.78	34.335	6.27	26.49	155	156	0.0823
75	8.94	34.225	6.08							75	8.94	34.225	6.08	26.54	150	151	0.1208
96	6.21	34.161	5.89							100	5.92	34.152	5.88	26.91	115	116	0.1542
140	3.05	34.062	5.78							125	4.12	34.095	5.81	27.07	099	100	0.1813
162	2.80	34.066	5.79							150	2.93	34.063	5.78	27.16	091	091	0.2053
209	2.37	34.052	5.79							200	2.45	34.054	5.79	27.20	087	088	0.2505
255	1.14	34.059	5.60							250	1.27	34.058	5.62	27.29	079	079	0.2925
299	0.76	34.062	5.69							300	0.75	34.062	5.68	27.32	075	075	0.3313
393	0.47	34.086	5.50							400	0.46	34.084	5.48	27.36	072	072	0.4052
485	0.34	34.061	5.30														

KOREA .GANGWON 854 . STATION 106-09 . 37-53.7. N. 130-37.7. E. APR. 9.1983. 09:25 KST. DEPTH 2250 . COLOR 4. TRANS. .

WAVE 5 3. SWELL 5 2. WIND 5 3, BARO 1013.5, AIR TEMP. DRY 12.0, WET , CLOUD. TYPE CU, AMT 09, WEATHER C ,

0	10.88	34.396	6.37							0	10.88	34.396	6.37	26.34	168	168	0.0000
10	10.79	34.381	6.47							10	10.79	34.381	6.47	26.35	168	168	0.0168
20	10.59	34.360	6.47							20	10.59	34.360	6.47	26.37	166	166	0.0336
30	10.23	34.370	6.27							30	10.23	34.370	6.27	26.44	160	160	0.0499
50	9.82	34.277	5.98							50	9.82	34.277	5.98	26.43	160	161	0.0821
75	8.59	34.226	6.08							75	8.59	34.226	6.08	26.59	145	146	0.1205

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
97	6.37	34.189	5.88							100	6.19	34.182	5.88	26.90	116	117	0.1534
132	4.28	34.110	5.88							125	4.69	34.125	5.88	27.03	103	104	0.1811
156	3.04	34.049	5.98							150	3.35	34.064	5.95	27.12	094	095	0.2061
203	1.87	34.050	5.78							200	1.94	34.049	5.79	27.23	084	084	0.2512
250	1.24	34.052	5.69							250	1.24	34.052	5.69	27.28	079	079	0.2923
296	0.86	34.052	5.59							300	0.84	34.050	5.58	27.31	077	077	0.3315
392	0.51	34.009	5.39							400	0.49	34.011	5.37	27.30	078	077	0.4091
486	0.38	34.037	5.19														

KOREA .GANGWON 854 . STATION 106-10 . 37-53.7. N. 130-56.5. E. APR. 9.1983. 06:55 KST. DEPTH 1980 . COLOR 4. TRANS. .

WAVE 5 2. SWELL 5 1. WIND 5 2. BARO 1013.5. AIR TEMP. DRY 10.5. WET . CLOUD. TYPE ST. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.87	34.545	5.98							0	12.87	34.545	5.98	26.08	193	193	0.0000
10	12.86	34.501	5.88							10	12.86	34.501	5.88	26.05	196	196	0.0195
20	11.68	34.471	5.88							20	11.68	34.471	5.88	26.25	177	177	0.0382
30	11.41	34.443	5.88							30	11.41	34.443	5.88	26.28	174	175	0.0558
50	10.97	34.408	5.78							50	10.97	34.408	5.78	26.33	169	170	0.0904
75	10.10	34.357	5.78							75	10.10	34.357	5.76	26.45	158	160	0.1317
98	8.13	34.239	5.88							100	7.97	34.233	5.88	26.69	135	137	0.1689
130	5.67	34.144	5.88							125	6.05	34.158	5.88	26.90	116	117	0.2007
155	3.44	34.075	5.88							150	3.88	34.088	5.86	27.09	097	098	0.2277
203	1.92	34.052	5.78							200	2.01	34.053	5.78	27.23	084	085	0.2738
250	1.34	34.056	5.78							250	1.34	34.056	5.78	27.28	079	080	0.3151
297	0.97	34.074	5.69							300	0.95	34.073	5.69	27.32	076	076	0.3541
389	0.61	34.059	5.78							400	0.58	34.057	5.73	27.33	075	074	0.4297
483	0.40	34.044	5.39														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 106-11 . 37-53.7. N. 131-15.1. E. APR. 9.1983. 04:30 KST. DEPTH 2070. . COLOR . TRANS. .
WAVE SE 2. SWELL SE 1, WIND SE 2, BARO 1013.5. AIR TEMP. DRY 9.4, WET , CLOUD. TYPE . AMT . WEATHER .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.40	34.340	6.18							0	10.40	34.340	6.18	26.38	165	164	0.0000
10	10.41	34.333	6.18							10	10.41	34.333	6.18	26.38	165	165	0.0165
20	10.13	34.308	6.18							20	10.13	34.308	6.18	26.40	162	163	0.0329
30	10.11	34.312	6.18							30	10.11	34.312	6.18	26.41	162	162	0.0492
50	10.10	34.324	6.08							50	10.10	34.324	6.08	26.42	161	162	0.0817
75	9.80	34.329	5.96							75	9.80	34.329	5.98	26.48	156	157	0.1216
98	9.69	34.316	6.08							100	9.66	34.314	6.08	26.49	154	156	0.1609
134	9.16	34.286	6.08							125	9.29	34.293	6.08	26.53	150	152	0.1996
157	6.04	34.229	5.98							150	6.98	34.246	6.01	26.84	121	123	0.2341
204	4.56	34.081	5.98							200	4.68	34.093	5.98	27.01	105	107	0.2918
250	2.35	34.081	5.98							250	2.35	34.081	5.98	27.23	085	086	0.3401
295	1.50	34.052	5.98							300	1.47	34.051	5.97	27.27	081	081	0.3820
390	0.99	34.033	5.88							400	0.96	34.035	5.88	27.29	079	079	0.4624
483	0.73	34.057	5.86														

6月(June)

KOREA ,GANGWON 854 , STATION 106-02 , 37-53.7. N, 128-52.5. E, JUN. 9.1983, 08:00 KST, DEPTH 58 , COLOR 3, TRANS. 17.0,
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1006. , AIR TEMP. DRY 17.5, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.10	33.748	6.27							0	14.10	33.748	6.27	25.21	276	275	0.0000
10	13.71	33.739	6.37							10	13.71	33.739	6.37	25.29	269	269	0.0272
20	7.07	33.728	6.69							20	7.07	33.728	6.69	26.42	161	161	0.0487
30	6.10	33.748	6.69							30	6.10	33.748	6.69	26.57	147	147	0.0641
50	3.27	33.797	6.89							50	3.27	33.797	6.89	26.92	114	114	0.0903

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,GANGWON 854 , STATION 106-03 , 37-53.7. N, 128-57.2. E, JUN. 9.1983, 08:45 KST, DEPTH 320 , COLOR 3, TRANS. 18.0,

WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1006. , AIR TEMP. DRY 17.6, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.49	33.746	6.17							0	14.49	33.746	6.17	25.13	284	283	0.0000
10	11.14	33.755	*****							10	11.14	33.755	6.38	25.80	220	220	0.0252
20	7.87	33.776	6.59							20	7.87	33.776	6.59	26.35	168	168	0.0446
30	5.46	33.793	6.69							30	5.46	33.793	6.69	26.68	136	136	0.0599
50	3.16	33.821	6.98							50	3.16	33.821	6.98	26.95	111	111	0.0847
75	2.67	33.819	6.78							75	2.67	33.819	6.78	26.99	107	107	0.1121
103	2.22	33.828	6.98							100	2.26	33.827	6.95	27.03	103	103	0.1383
126	1.97	33.828	6.78							125	1.98	33.828	6.78	27.05	101	101	0.1642
150	1.76	33.837	6.58							150	1.76	33.837	6.58	27.08	099	099	0.1893
198	1.33	33.844	6.68							200	1.32	33.844	6.67	27.11	095	095	0.2382
245	1.13	33.852	6.48							250	1.10	33.852	6.46	27.13	093	093	0.2836
292	0.93	33.859	6.38														

KOREA ,GANGWON 854 , STATION 106-04 , 37-53.7. N, 129-03.8. E, JUN. 9.1983, 09:50 KST, DEPTH 710 , COLOR 3, TRANS. 18.0,

WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1006. , AIR TEMP. DRY 20.1, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.13	33.741	6.27							0	14.13	33.741	6.27	25.20	277	276	0.0000
10	8.71	33.728	6.39							10	8.71	33.728	6.39	26.18	183	183	0.0230
20	6.56	33.748	6.79							20	6.56	33.748	6.79	26.51	153	153	0.0398
30	5.29	33.754	6.89							30	5.29	33.754	6.89	26.67	137	137	0.0544
50	3.15	33.799	6.88							50	3.15	33.799	6.88	26.93	113	113	0.0794
75	2.88	33.777	6.89							75	2.88	33.777	6.89	26.94	112	112	0.1076
100	2.52	33.805	6.78							100	2.52	33.805	6.78	26.99	107	107	0.1351
127	1.54	33.830	6.58							125	1.61	33.828	6.59	27.08	098	098	0.1610

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
152	1.37	33.843	6.58							150	1.38	33.841	6.58	27.11	096	096	0.1854
202	1.02	33.849	6.48							200	1.03	33.848	6.48	27.14	093	093	0.2329
251	0.86	33.853	6.37							250	0.86	33.852	6.37	27.15	092	092	0.2793
300	0.74	33.856	6.27							300	0.74	33.856	6.27	27.16	091	091	0.3252
398	0.61	33.832	6.27							400	0.60	33.832	6.26	27.15	092	092	0.4168
495	0.51	33.849	6.17														

KOREA .GANGWON 854 , STATION 106-05 , 37-53.7. N, 129-22.1. E, JUN. 9.1983, 12:20 KST, DEPTH 1120 , , COLOR 3, TRANS. 18.0,
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1006. , AIR TEMP. DRY 23.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.24	34.030	6.17							0	16.24	34.030	6.17	24.96	300	299	0.0000
10	15.76	34.047	6.06							10	15.76	34.047	6.06	25.08	288	288	0.0294
20	11.63	34.007	6.38							20	11.63	34.007	6.38	25.90	210	210	0.0543
30	8.74	33.979	6.58							30	8.74	33.979	6.58	26.38	165	165	0.0732
50	5.23	33.909	6.58							50	5.23	33.909	6.58	26.80	125	125	0.1023
75	3.40	33.875	6.48							75	3.40	33.875	6.48	26.97	109	109	0.1317
99	2.52	33.848	6.07							100	2.49	33.848	6.07	27.03	103	104	0.1585
129	1.69	33.859	6.07							125	1.80	33.857	6.07	27.09	098	098	0.1837
153	1.36	33.843	6.07							150	1.40	33.845	6.07	27.11	096	096	0.2080
201	0.99	33.863	5.97							200	0.99	33.862	5.97	27.15	092	092	0.2552
249	0.83	33.874	5.87							250	0.82	33.873	5.87	27.17	090	090	0.3009
296	0.65	33.852	5.87							300	0.64	33.851	5.87	27.16	091	090	0.3462
392	0.52	33.844	5.87							400	0.50	33.845	5.87	27.16	090	090	0.4369
487	0.34	33.863	5.87														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 106-06 . 37-53.7. N, 129-41.3. E, JUN. 9.1983. 14:45 KST. DEPTH 1630 . COLOR 3. TRANS. 18.0.																	
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1005.5, AIR TEMP. DRY 22.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	16.44	34.018	6.07							0	16.44	34.018	6.07	24.91	305	305	0.0000
10	15.41	33.986	6.07							10	15.41	33.986	6.07	25.12	285	285	0.0295
20	9.85	34.000	6.18							20	9.85	34.000	6.18	26.21	181	181	0.0528
30	7.04	33.999	6.07							30	7.04	33.999	6.07	26.64	140	140	0.0689
50	4.65	33.913	5.87							50	4.65	33.913	5.87	26.87	118	118	0.0949
75	3.35	33.899	6.17							75	3.35	33.899	6.17	26.99	107	107	0.1232
100	2.44	33.850	5.87							100	2.44	33.850	5.87	27.03	103	103	0.1496
127	1.58	33.846	6.17							125	1.64	33.846	6.14	27.09	097	097	0.1747
151	1.35	33.868	5.97							150	1.35	33.867	5.97	27.13	094	094	0.1988
201	1.07	33.864	5.97							200	1.07	33.864	5.97	27.14	092	092	0.2455
250	0.80	******	5.97							250	0.80	33.859	5.97	27.16	091	091	0.2915
298	0.61	33.855	5.67							300	0.60	33.855	5.67	27.17	090	090	0.3369
396	0.47	33.860	5.67							400	0.46	33.860	5.66	27.18	089	089	0.4267
492	0.36	33.860	5.57														
KOREA .GANGWON 854 . STATION 106-07 . 37-53.7. N, 130-00.0. E, JUN. 9.1983. 17:10 KST. DEPTH 1060 . COLOR 4. TRANS. 13.0,																	
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1004.5, AIR TEMP. DRY 19.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	18.38	33.965	5.56							0	18.38	33.965	5.56	24.40	353	353	0.0000
10	16.67	33.958	5.77							10	16.67	33.958	5.77	24.81	314	314	0.0334
20	14.73	33.932	5.97							20	14.73	33.932	5.97	25.22	275	275	0.0629
30	11.58	33.965	6.07							30	11.58	33.965	6.07	25.88	212	213	0.0873
50	6.22	33.957	5.67							50	6.22	33.957	5.67	26.72	133	133	0.1220
75	3.20	33.843	5.97							75	3.20	33.843	5.97	26.96	110	110	0.1525

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
96	2.18	33.834	5.67							100	2.15	33.837	5.72	27.05	102	102	0.1791
132	1.91	33.862	6.17							125	1.96	33.856	6.07	27.08	099	099	0.2043
156	1.55	33.852	6.17							150	1.64	33.854	6.17	27.10	097	097	0.2288
204	1.27	33.859	5.97							200	1.29	33.858	5.98	27.13	094	094	0.2768
251	1.23	33.833	6.07							250	1.23	33.833	6.06	27.11	096	096	0.3245
297	0.92	33.854	5.97							300	0.90	33.854	5.96	27.15	092	092	0.3716
392	0.54	33.874	5.77							400	0.52	33.872	5.75	27.18	086	088	0.4621
484	0.36	33.855	5.56														

KOREA .GANGWON 854 . STATION 106-08 . 37-53.7. N, 130-16.9. E. JUN. 9.1983, 19:30 KST. DEPTH 1800 . . COLOR . TRANS.

WAVE SE 2. SWELL SE 1. WIND SE 2. BARO 1005. . AIR TEMP. DRY 18.6. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.

0	19.20	34.029	5.46							0	19.20	34.029	5.46	24.24	368	368	0.0000
10	18.13	34.078	5.46							10	18.13	34.078	5.46	24.55	339	339	0.0353
20	17.47	34.034	5.46							20	17.47	34.034	5.46	24.68	327	327	0.0687
30	15.28	34.120	5.97							30	15.28	34.120	5.97	25.23	273	273	0.0987
50	14.29	34.289	5.55							50	14.29	34.289	5.55	25.59	240	241	0.1502
75	11.64	34.196	5.56							75	11.64	34.196	5.56	26.05	196	198	0.2052
98	8.47	34.043	5.77							100	8.35	34.039	5.78	26.46	155	156	0.2496
131	6.50	33.984	6.06							125	6.85	33.994	6.00	26.66	138	139	0.2867
156	4.63	33.921	5.97							150	5.07	33.936	5.99	26.84	121	122	0.3196
204	2.34	33.862	5.67							200	2.53	33.866	5.69	27.04	102	103	0.3762
250	1.36	33.849	6.17							250	1.36	33.849	6.17	27.11	095	095	0.4260
297	1.04	33.857	5.67							300	1.02	33.857	5.66	27.14	093	093	0.4732
391	0.69	33.857	5.66							400	0.67	33.856	5.66	27.16	091	090	0.5651
485	0.52	33.851	5.66														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 106-09 . 37-53.7. N, 130-37.7. E. JUN. 9.1983. 21:50 KST. DEPTH 2250 . COLOR . TRANS. .

WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1005. , AIR TEMP. DRY 18.1, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

0	18.41	34.220	5.46							0	18.41	34.220	5.46	24.59	335	335	0.0000
10	18.19	34.224	5.46							10	18.19	34.224	5.46	24.65	330	330	0.0332
20	17.38	34.226	5.46							20	17.38	34.226	5.46	24.84	311	311	0.0653
30	15.38	34.290	5.56							30	15.38	34.290	5.56	25.36	262	263	0.0941
50	14.66	34.241	5.36							50	14.66	34.241	5.36	25.48	251	252	0.1456
75	12.13	34.182	5.56							75	12.13	34.182	5.56	25.94	206	208	0.2032
99	10.74	34.107	5.77							100	10.70	34.106	5.77	26.15	187	189	0.2529
131	9.65	34.094	5.87							125	9.85	34.096	5.85	26.29	174	176	0.2986
155	8.21	34.023	5.87							150	8.51	34.037	5.87	26.46	157	160	0.3407
204	3.85	33.878	5.77							200	4.20	33.889	5.77	26.90	116	117	0.4101
252	2.13	33.847	5.87							250	2.20	33.846	5.86	27.05	101	102	0.4651
300	1.38	33.847	5.67							300	1.38	33.847	5.67	27.11	095	096	0.5147
396	0.82	33.856	5.67							400	0.81	33.855	5.66	27.15	091	091	0.6087
490	0.59	33.854	5.46														

KOREA .GANGWON 854 . STATION 106-10 . 37-53.7. N, 130-56.5. E, JUN.10.1983. 00:05 KST. DEPTH 1980 . COLOR . TRANS. .

WAVE SE 2, SWELL SE 1, WIND SE 3, BARO 1005. , AIR TEMP. DRY 16.8, WET . CLOUD. TYPE , AMT 05. WEATHER BC.

0	17.51	34.157	5.56							0	17.51	34.157	5.56	24.76	319	318	0.0000
10	17.17	34.141	5.56							10	17.17	34.141	5.56	24.83	312	312	0.0315
20	15.12	34.159	5.46							20	15.12	34.159	5.46	25.31	266	267	0.0605
30	14.87	34.170	5.67							30	14.87	34.170	5.67	25.38	260	261	0.0869
50	12.75	34.179	5.36							50	12.75	34.179	5.36	25.82	218	219	0.1350
75	10.83	34.163	5.97							75	10.83	34.163	5.97	26.17	185	186	0.1858

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
98	9.94	34.139	5.77							100	9.93	34.135	5.76	26.30	172	174	0.2309
124	9.86	34.091	5.67							125	9.87	34.097	5.68	26.28	174	176	0.2747
153	[illegible]	34.090	5.87							150	9.69	34.090	5.84	26.31	172	174	0.3187
202	7.12	33.990	5.77							200	7.22	33.994	5.77	26.61	143	146	0.3989
250	3.58	33.873	5.87							250	3.58	33.873	5.87	26.95	111	112	0.4636
298	2.08	33.868	6.27							300	2.06	33.867	6.26	27.08	099	099	0.5168
394	1.16	33.847	5.97							400	1.12	33.846	5.95	27.13	094	094	0.6141
489	0.66	33.843	5.67														

KOREA .GANGWON 854 , STATION 106-11 , 37-53.7. N. 131-15.1. E, JUN.10.1983. 03:10 KST, DEPTH 2070 . COLOR . TRANS. .

WAVE SE 3. SWELL SE 1, WIND SE 3. BARO 1005. . AIR TEMP. DRY 16.0, WET . CLOUD. TYPE , AMT 06, WEATHER BC,

0	17.93	34.161	5.26							0	17.95	34.161	5.26	24.66	328	328	0.0000
10	17.81	34.156	5.46							10	17.81	34.156	5.46	24.69	326	326	0.0327
20	13.67	34.076	5.77							20	13.67	34.076	5.77	25.56	243	243	0.0612
30	12.36	34.053	6.17							30	12.36	34.053	6.17	25.80	220	220	0.0844
50	11.12	34.074	5.77							50	11.12	34.074	5.77	26.05	196	197	0.1263
75	10.86	34.066	*****							75	10.86	34.066	5.92	26.09	192	194	0.1753
98	9.95	34.076	6.06							100	9.94	34.076	6.06	26.26	177	178	0.2219
130	9.84	34.087	6.17							125	9.85	34.085	6.15	26.28	175	177	0.2664
154	7.59	34.093	5.87							150	7.96	34.092	5.92	26.58	146	148	0.3071
203	7.52	33.989	5.87							200	7.52	33.995	5.87	26.57	147	150	0.3817
251	5.39	33.907	5.77							250	5.43	33.908	5.77	26.78	127	130	0.4518
299	2.57	33.851	5.77							300	2.55	33.851	5.77	27.02	104	105	0.5107
396	0.99	33.858	5.97							400	0.97	33.857	5.95	27.15	092	092	0.6097
490	0.53	33.854	5.56														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 月(August)

KOREA .GYUNGBUG 853 . STATION 106-02 . 37-53.7. N. 128-52.5. E. AUG.20.1983. 14:15 KST. DEPTH 58 , COLOR , TRANS. ;

WAVE NW 2, SWELL NW 1, WIND NW 3. BARO 1011. , AIR TEMP. DRY 26.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ;

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.99	32.312	5.36							0	22.99	32.312	5.36	21.92	590	590	0.0000
10	20.93	32.717	6.46							10	20.93	32.717	6.46	22.79	506	506	0.0548
20	13.34	33.380	7.01							20	13.34	33.380	7.01	25.09	288	288	0.0946
30	10.46	33.510	7.01							30	10.46	33.510	7.01	25.73	227	227	0.1204
50	7.37	33.646	6.72							50	7.37	33.646	6.72	26.32	171	171	0.1603

KOREA .GYUNGBUG 853 . STATION 106-03 . 37-53.7. N. 128-57.2. E. AUG.20.1983. 13:20 KST. DEPTH 320 . COLOR . TRANS. .

WAVE NW 2. SWELL NW 1. WIND NW 3. BARO 1011. . AIR TEMP. DRY 26.0. WET ; CLOUD. TYPE CI, AMT 02, WEATHER B ;

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	23.10	33.313	5.16							0	23.10	33.313	5.16	22.64	521	520	0.0000
10	22.20	33.390	6.53							10	22.20	33.390	6.53	22.96	491	491	0.0506
20	13.77	33.406	6.82							20	13.77	33.406	6.82	25.02	294	294	0.0899
30	10.44	33.618	7.01							30	10.44	33.618	7.01	25.81	219	219	0.1156
50	6.15	33.949	7.01							50	6.15	33.949	7.01	26.72	133	133	0.1509
75	4.01	34.000	7.11							75	4.01	34.000	7.11	27.01	105	106	0.1808
103	1.82	34.009	7.01							100	2.05	34.008	7.02	27.19	088	088	0.2051
128	1.75	34.061	6.92							125	1.75	34.054	6.93	27.25	082	082	0.2266
152	1.32	34.072	6.33							150	1.35	34.071	6.37	27.29	078	078	0.2468
200	1.11	34.120	6.04							200	1.11	34.120	6.04	27.35	073	073	0.2849
248	0.85	34.127	5.84							250	0.84	34.126	5.83	27.37	071	071	0.3211
296	0.71	34.125	5.75														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 , STATION 106-04 , 37-53.7. N, 129-03.8. E, AUG.20.1983, 12:15 KST. DEPTH 710 , , COLOR , TRANS.																	
WAVE N 2. SWELL N 2, WIND N 3, BARO 1011. , AIR TEMP. DRY 26.3. WET , CLOUD. TYPE CI. AMT 02. WEATHER B .																	
0	23.02	33.474	4.97							0	23.02	33.474	4.97	22.79	507	507	0.0000
10	22.54	33.497	5.75							10	22.54	33.497	5.75	22.94	492	492	0.0499
20	11.17	33.547	7.11							20	11.17	33.547	7.11	25.63	236	236	0.0864
30	7.91	33.695	7.31							30	7.91	33.695	7.31	26.28	174	175	0.1070
50	4.45	33.892	7.01							50	4.45	33.892	7.01	26.88	118	118	0.1364
75	2.63	33.972	6.92							75	2.63	33.972	6.92	27.11	095	095	0.1631
99	2.05	34.011	*****							100	2.04	34.013	7.04	27.20	087	088	0.1861
129	1.76	34.089	7.21							125	1.79	34.078	7.18	27.27	081	081	0.2073
153	1.50	34.058	6.82							150	1.53	34.061	6.86	27.27	080	080	0.2275
201	1.17	34.064	6.82							200	1.17	34.063	6.82	27.30	078	078	0.2673
249	0.96	34.067	6.43							250	0.95	34.067	6.43	27.32	076	076	0.3060
296	0.78	34.070	6.43							300	0.76	34.070	6.41	27.33	075	075	0.3439
394	0.50	34.083	6.04							400	0.49	34.083	6.03	27.36	072	072	0.4177
491	0.44	34.083	5.94														
KOREA .GYUNGBUG 853 . STATION 106-05 , 37-53.7. N, 129-22.1. E, AUG.20.1983. 10:05 KST. DEPTH 1120 . COLOR . TRANS.																	
WAVE N 2, SWELL N 2, WIND N 3, BARO 1011. , AIR TEMP. DRY 22.3, WET , CLOUD. TYPE CI. AMT 03. WEATHER BC.																	
0	22.93	33.653	5.06							0	22.93	33.653	5.06	22.95	492	491	0.0000
10	22.91	33.659	5.47							10	22.91	33.659	5.47	22.96	491	491	0.0491
20	10.95	33.847	7.21							20	10.95	33.847	7.21	25.90	210	210	0.0842
30	8.91	33.955	7.31							30	8.91	33.955	7.31	26.33	170	170	0.1032
50	4.50	33.982	7.01							50	4.50	33.982	7.01	26.94	112	112	0.1315
75	2.54	33.994	7.01							75	2.54	33.994	7.01	27.14	093	093	0.1572

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	1.64	33.996	*****							100	1.64	33.996	6.96	27.21	086	086	0.1797
127	1.24	34.010	6.92							125	1.26	34.008	6.92	27.25	082	082	0.2008
151	1.15	34.029	6.82							150	1.15	34.028	6.82	27.27	080	080	0.2213
201	1.00	34.068	6.72							200	1.00	34.067	6.72	27.31	076	076	0.2607
249	0.82	34.065	6.43							250	0.81	34.065	6.42	27.32	075	075	0.2988
296	0.67	34.084	6.33							300	0.65	34.084	6.32	27.35	073	073	0.3361
394	0.40	34.084	6.14							400	0.39	34.084	6.12	27.36	072	071	0.4087
492	0.33	34.086	5.84														

KOREA ,GYUNGBUG 853 , STATION 106-06 . 37-53.7. N, 129-41.3. E. AUG.20.1983, 08:00 KST, DEPTH 1620 , COLOR , TRANS.

WAVE N 2, SWELL N 2, WIND N 3. BARO 1011. . AIR TEMP. DRY 20.8, WET , CLOUD. TYPE CI. AMT 03, WEATHER BC,

0	22.89	33.396	5.26							0	22.89	33.396	5.26	22.77	509	509	0.0000
10	22.63	33.761	5.72							10	22.63	33.761	5.72	23.12	476	476	0.0492
20	7.31	34.021	6.81							20	7.31	34.021	6.81	26.62	142	142	0.0801
30	6.30	34.132	6.71							30	6.30	34.132	6.71	26.85	121	121	0.0933
50	4.11	34.080	6.43							50	4.11	34.080	6.43	27.06	100	100	0.1155
75	2.97	34.044	6.53							75	2.97	34.044	6.53	27.14	093	093	0.1398
99	2.26	34.051	6.62							100	2.24	34.050	6.61	27.21	086	086	0.1623
129	1.75	34.031	6.53							125	1.81	34.033	6.54	27.23	084	084	0.1838
153	1.44	34.060	6.33							150	1.47	34.056	6.35	27.27	080	080	0.2045
201	1.15	34.050	6.04							200	1.15	34.050	6.04	27.29	079	079	0.2445
248	0.90	34.060	6.04							250	0.89	34.060	6.04	27.31	076	076	0.2834
295	0.70	34.068	6.04							300	0.68	34.066	6.02	27.33	075	074	0.3213
392	0.45	34.048	5.84							400	0.44	34.047	5.82	27.33	075	074	0.3962
488	0.39	34.039	5.65														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 106-07 . 37-53.7. N. 130-00.0. E, AUG.20.1983, 05:50 KST. DEPTH 1060 . COLOR . TRANS. .

WAVE NW 2, SWELL NW 2, WIND NW 4, BARO 1010. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	22.79	33.274	5.26							0	22.79	33.274	5.26	22.70	515	515	0.0000
10	22.76	33.655	5.45							10	22.76	33.655	5.45	23.00	487	487	0.0501
20	8.26	34.041	6.53							20	8.26	34.041	6.53	26.50	154	154	0.0821
30	6.64	34.165	6.42							30	6.64	34.165	6.42	26.83	122	123	0.0960
50	4.80	34.119	6.33							50	4.80	34.119	6.33	27.02	104	105	0.1188
75	3.49	34.063	6.53							75	3.49	34.063	6.53	27.11	096	096	0.1440
97	2.51	34.052	6.62							100	2.47	34.049	6.60	27.19	088	088	0.1672
132	2.15	34.023	6.43							125	2.22	34.028	6.46	27.19	088	088	0.1893
156	1.59	34.064	6.23							150	1.73	34.053	6.28	27.25	082	082	0.2107
204	1.30	34.056	6.14							200	1.32	34.056	6.14	27.28	079	079	0.2514
251	1.06	34.060	6.03							250	1.06	34.059	6.03	27.30	077	077	0.2908
297	0.81	34.064	6.04							300	0.80	34.063	6.03	27.32	075	075	0.3292
392	0.55	34.047	5.96							400	0.53	34.045	5.95	27.32	075	075	0.4049
485	0.41	34.035	5.94														

KOREA .GYUNGBUG 853 . STATION 106-08 , 37-53.7. N, 130-18.9. E, AUG.20.1983, 03:45 KST. DEPTH 1800 , COLOR , TRANS. .

WAVE NW 2. SWELL NW 2, WIND NW 4, BARO 1010. . AIR TEMP. DRY 20.4, WET , CLOUD. TYPE , AMT , WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	22.73	33.623	5.36							0	22.73	33.623	5.36	22.98	488	488	0.0000
10	22.64	33.887	5.94							10	22.64	33.887	5.94	23.21	467	467	0.0477
20	10.55	33.917	6.82							20	10.55	33.917	6.82	26.03	198	198	0.0810
30	7.11	33.952	6.82							30	7.11	33.952	6.82	26.59	144	145	0.0982
50	4.42	33.920	6.12							50	4.42	33.920	6.12	26.90	115	116	0.1244
75	4.29	34.094	5.94							75	4.29	34.094	5.94	27.05	101	101	0.1516

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	2.81	34.070	6.23							100	2.79	34.069	6.23	27.18	089	089	0.1756
133	2.38	34.050	6.44							125	2.48	34.054	6.39	27.19	088	088	0.1979
157	1.68	34.052	6.23							150	1.88	34.051	6.29	27.24	083	084	0.2195
205	1.24	34.070	6.14							200	1.28	34.068	6.14	27.29	076	078	0.2602
252	0.99	34.074	6.04							250	1.00	34.073	6.04	27.32	076	076	0.2989
298	0.76	34.071	6.04							300	0.75	34.070	6.03	27.33	075	075	0.3368
392	0.44	34.059	5.84							400	0.43	34.059	5.84	27.34	074	073	0.4112
486	0.37	34.059	5.84														

KOREA .GYUNGBUG 853 . STATION 106-09 . 37-53.7. N. 130-37.7. E. AUG.20.1983. 01:35 KST. DEPTH 2250 . COLOR . TRANS. .

WAVE NW 2. SWELL NW 2. WIND NW 4. BARO 1010.5. AIR TEMP. DRY 20.5. WET . CLOUD. TYPE . AMT . WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	23.24	33.511	5.26							0	23.24	33.511	5.26	22.75	510	510	0.0000
10	23.14	33.583	5.65							10	23.14	33.583	5.65	22.84	502	502	0.0506
20	15.66	33.760	6.03							20	15.68	33.760	6.03	24.88	307	308	0.0912
30	10.75	34.199	5.86							30	10.75	34.199	5.86	26.21	181	181	0.1156
50	7.88	34.180	6.05							50	7.88	34.180	6.05	26.66	138	138	0.1477
75	4.55	34.081	6.23							75	4.55	34.081	6.23	27.01	105	105	0.1783
99	2.92	34.050	6.33							100	2.89	34.049	6.33	27.15	091	092	0.2030
135	2.12	34.028	6.33							125	2.34	34.034	6.33	27.19	088	088	0.2257
159	1.65	34.045	6.23							150	1.82	34.038	6.26	27.23	084	084	0.2474
207	1.12	34.084	6.23							200	1.19	34.078	6.23	27.31	077	077	0.2878
254	0.78	34.059	6.03							250	0.80	34.061	6.04	27.32	076	076	0.3262
300	0.72	34.061	5.75							300	0.72	34.061	5.75	27.33	075	075	0.3641
395	0.33	34.056	5.65							400	0.32	34.055	5.65	27.34	073	073	0.4386
488	0.32	34.054	5.65														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 106-10 . 37-53.7. N, 130-56.5, E, AUG.19.1983. 23:30 KST. DEPTH 1980 , COLOR . TRANS.

WAVE NW 3. SWELL NW 2. WIND NW 4. BARO 1011. , AIR TEMP. DRY 21.0, WET , CLOUD. TYPE ST. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	23.07	33.779	5.16							0	23.07	33.779	5.16	23.01	486	486	0.0000
10	23.03	33.778	5.36							10	23.03	33.778	5.36	23.02	485	485	0.0486
20	22.52	33.741	5.86							20	22.52	33.741	5.86	23.13	474	474	0.0966
30	14.40	34.106	6.23							30	14.40	34.106	6.23	25.43	255	256	0.1332
50	11.09	34.067	6.23							50	11.09	34.067	6.23	26.05	196	197	0.1786
75	6.40	34.084	6.33							75	6.40	34.084	6.33	26.79	125	126	0.2191
99	3.56	34.074	6.33							100	3.52	34.073	6.33	27.11	095	096	0.2470
130	2.40	34.052	6.33							125	2.58	34.055	6.33	27.19	088	089	0.2701
155	1.85	34.057	6.23							150	1.96	34.056	6.25	27.24	084	084	0.2919
204	1.25	34.060	6.04							200	1.29	34.059	6.05	27.29	079	079	0.3328
251	0.89	34.056	6.04							250	0.89	34.056	6.04	27.31	077	077	0.3719
298	0.70	34.059	5.94							300	0.69	34.058	5.93	27.32	075	075	0.4101
395	0.41	34.052	5.84							400	0.40	34.051	5.85	27.34	074	074	0.4849
491	0.31	34.050	6.04														

KOREA .GYUNGBUG 853 . STATION 106-11 . 37-53.7. N, 131-15.1. E, AUG.19.1983. 11:20 KST. DEPTH 2070 , COLOR . TRANS. .

WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1012. , AIR TEMP. DRY 21.4. WET , CLOUD. TYPE ST, AMT 06, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	23.44	33.616	5.55							0	23.44	33.616	5.55	22.76	508	508	0.0000
10	23.23	33.612	5.55							10	23.23	33.612	5.55	22.83	503	503	0.0505
20	23.06	33.818	5.76							20	23.06	33.818	5.76	23.04	483	483	0.0999
30	15.01	34.058	6.04							30	15.01	34.058	6.04	25.26	271	272	0.1377
50	9.78	34.265	5.76							50	9.78	34.265	5.76	26.43	160	161	0.1811
75	5.26	34.147	5.94							75	5.26	34.147	5.94	26.99	107	108	0.2148

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	3.34	34.079	6.33							100	3.30	34.078	6.33	27.14	093	093	0.2400
127	2.35	34.074	6.33							125	2.42	34.074	6.33	27.21	086	086	0.2626
152	1.95	34.057	6.33							150	1.98	34.058	6.33	27.24	084	084	0.2839
201	1.20	34.064	6.14							200	1.21	34.063	6.14	27.30	078	078	0.3247
250	0.85	34.056	6.04							250	0.85	34.056	6.04	27.31	076	076	0.3635
298	0.63	34.095	5.75							300	0.62	34.094	5.75	27.36	072	072	0.4007
396	0.40	34.080	5.94							400	0.39	34.079	5.93	27.36	072	072	0.4730
493	0.31	34.072	5.75														

10月(October)

KOREA .GANGWON 854 . STATION 106-02 . 37-53.7. N. 128-52.5. E, OCT.16.1983. 21:05 KST. DEPTH 58 . COLOR , TRANS. ,

WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1008. . AIR TEMP. DRY 17.0. WET . CLOUD. TYPE CI. AMT 06. WEATHER BC.

0	19.24	32.080	5.49							0	19.24	32.080	5.49	22.75	511	510	0.0000
10	19.10	32.641	5.59							10	19.10	32.641	5.59	23.21	466	466	0.0488
20	15.52	33.247	5.88							20	15.52	33.247	5.88	24.52	341	342	0.0893
30	5.09	33.998	6.18							30	5.09	33.998	6.18	26.89	117	117	0.1123
50	3.85	34.013	6.57							50	3.85	34.013	6.57	27.03	103	103	0.1343

KOREA .GANGWON 854 . STATION 106-03 . 37-53.7. N. 128-57.2. E. OCT.16.1983. 20:10 KST. DEPTH 320 , COLOR , TRANS. ,

WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1008. , AIR TEMP. DRY 17.5, WET . CLOUD. TYPE CI. AMT 07, WEATHER BC,

0	19.49	32.570	5.59							0	19.49	32.570	5.59	23.06	481	481	0.0000
10	17.99	32.771	5.59							10	17.99	32.771	5.59	23.59	431	431	0.0456
20	15.21	33.141	4.80							20	15.21	33.141	4.80	24.51	343	343	0.0843
30	13.12	33.914	6.26							30	13.12	33.914	6.26	25.54	244	245	0.1137
50	4.91	34.152	6.37							50	4.91	34.152	6.37	27.03	103	103	0.1487

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	3.03	34.026	6.18							75	3.03	34.026	6.18	27.12	094	095	0.1735
101	2.49	34.022	6.37							100	2.51	34.022	6.36	27.16	090	091	0.1968
125	2.41	34.019	6.37							125	2.41	34.019	6.37	27.17	090	090	0.2195
150	1.47	34.027	6.47							150	1.47	34.027	6.47	27.25	082	082	0.2412
198	1.01	34.006	6.47							200	1.00	34.006	6.45	27.26	081	081	0.2823
247	0.86	34.006	5.98							250	0.85	******	5.99	*****	***	***	******
295	0.73	******	6.18														
KOREA .GANGWON 854 . STATION 106-04 . 37-53.7. N. 129-03.8. E. OCT.16.1983. 19:00 KST. DEPTH 710. , COLOR , TRANS.																	
WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1009. , AIR TEMP. DRY 17.5, WET , CLOUD. TYPE CI, AMT 06. WEATHER BC.																	
0	20.07	32.526	5.29							0	20.07	32.526	5.29	22.88	499	498	0.0000
10	20.06	32.763	5.39							10	20.06	32.763	5.39	23.06	481	481	0.0490
20	15.49	32.853	5.40							20	15.49	32.853	5.40	24.23	370	370	0.0916
30	8.93	33.832	5.88							30	8.93	33.832	5.88	26.23	179	179	0.1191
50	5.17	34.184	6.18							50	5.17	34.184	6.18	27.03	104	104	0.1475
75	4.51	34.040	6.18							75	4.51	34.040	6.18	26.99	107	108	0.1740
99	3.70	34.025	6.27							100	3.65	34.024	6.27	27.06	100	101	0.2002
127	2.44	34.016	6.37							125	2.53	34.016	6.36	27.16	091	091	0.2243
152	1.93	34.024	6.47							150	1.97	34.023	6.46	27.21	086	086	0.2466
201	1.18	34.044	6.57							200	1.19	34.043	6.56	27.28	079	079	0.2883
249	0.89	34.057	6.67							250	0.88	34.056	6.66	27.31	076	076	0.3275
297	0.74	34.053	6.27							300	0.73	34.052	6.27	27.32	076	076	0.3658
394	0.52	34.045	6.37							400	0.51	34.045	6.35	27.32	075	075	0.4417
491	0.49	34.050	6.08														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 , STATION 106-05 , 37-53.7. N, 129-22.1. E, OCT.16.1983, 17:00 KST, DEPTH 1120 , COLOR , TRANS. ,																	
WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1008. , AIR TEMP. DRY 18.5, WET , CLOUD. TYPE CI, AMT 06, WEATHER BC.																	
0	21.18	32.299	5.49							0	21.18	32.299	5.49	22.41	543	543	0.0000
10	21.15	32.725	5.29							10	21.15	32.725	5.29	22.74	511	511	0.0527
20	21.01	32.968	5.20							20	21.01	32.968	5.20	22.96	490	491	0.1029
30	15.65	33.701	5.40							30	15.65	33.701	5.40	24.84	311	311	0.1430
50	12.34	34.307	5.31							50	12.34	34.307	5.31	26.00	201	202	0.1944
75	5.93	34.050	6.18							75	5.93	34.050	6.18	26.83	122	123	0.2352
99	3.92	34.029	6.47							100	3.86	34.028	6.46	27.04	102	102	0.2634
126	2.41	34.009	6.37							125	2.46	34.009	6.37	27.16	091	091	0.2878
151	1.93	34.023	6.57							150	1.94	34.022	6.56	27.21	086	086	0.3101
200	1.26	34.047	6.37							200	1.26	34.047	6.37	27.28	080	080	0.3518
249	1.23	34.027	6.18							250	1.22	34.027	6.18	27.27	081	081	0.3922
296	1.06	34.037	6.27							300	1.04	34.037	6.27	27.29	079	079	0.4325
394	0.73	34.048	*****							400	0.71	34.047	6.27	27.31	076	076	0.5105
491	0.50	34.046	6.27														
KOREA .GANGWON 854 . STATION 106-06 . 37-53.7. N, 129-41.3. E, OCT.16.1983. 14:20 KST. DEPTH 1620 . COLOR 3. TRANS. 18.0.																	
WAVE NW 2, SWELL NW 1, WIND NW 2. BARO 1008. , AIR TEMP. DRY 21.6, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC.																	
0	21.26	32.127	5.39							0	21.26	32.127	5.39	22.26	558	557	0.0000
10	21.22	32.777	5.39							10	21.22	32.777	5.39	22.76	509	509	0.0533
20	21.14	32.933	5.29							20	21.14	32.933	5.29	22.90	496	496	0.1037
30	15.57	33.678	5.21							30	15.57	33.678	5.21	24.84	311	311	0.1441
50	12.56	34.336	5.31							50	12.56	34.336	5.31	25.98	203	204	0.1957
75	6.94	33.949	6.27							75	6.94	33.949	6.27	26.62	142	143	0.2392

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
98	3.43	33.894	6.86							100	3.38	33.896	6.86	26.99	107	108	0.2707
129	2.67	33.933	6.86							125	2.76	33.927	6.86	27.07	100	100	0.2968
153	2.00	33.970	6.66							150	2.08	33.965	6.68	27.15	091	092	0.3209
202	1.68	34.019	6.96							200	1.69	34.017	6.94	27.22	085	085	0.3653
250	1.24	34.046	6.57							250	1.24	34.046	6.57	27.28	079	080	0.4067
297	1.01	34.065	6.37							300	1.00	34.065	6.35	27.31	077	077	0.4460
394	0.77	34.073	5.98							400	0.75	34.073	5.97	27.33	074	074	0.5220
490	0.57	34.073	5.88														

KOREA .GANGWON 854 . STATION 106-07 . 37-53.7. N, 130-00.0. E, OCT.16.1983. 11:50 KST, DEPTH 1060 . COLOR 3, TRANS. 18.5,
WAVE NW 3, SWELL NW 1, WIND NW 3. BARO 1008. . AIR TEMP. DRY 19.8, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

0	21.75	32.395	5.10							0	21.75	32.395	5.10	22.33	551	551	0.0000
10	21.65	32.633	5.48							10	21.65	32.633	5.48	22.54	531	531	0.0541
20	21.58	32.844	5.20							20	21.58	32.844	5.20	22.72	514	514	0.1064
30	16.24	33.673	5.31							30	16.24	33.673	5.31	24.69	326	326	0.1485
50	15.11	34.331	5.31							50	15.11	34.331	5.31	25.45	254	255	0.2067
75	10.14	34.240	5.60							75	10.14	34.240	5.60	26.35	168	169	0.2597
98	6.80	34.131	5.98							100	6.74	34.125	5.96	26.78	127	128	0.2970
130	5.88	34.039	5.69							125	6.02	34.053	5.73	26.82	123	125	0.3286
154	3.15	34.000	6.56							150	3.60	34.006	6.41	27.05	101	102	0.3571
202	1.65	34.007	6.76							200	1.71	34.006	6.75	27.22	086	086	0.4042
249	1.61	34.093	5.98							250	1.59	34.092	5.98	27.29	078	079	0.4456
296	0.99	34.085	6.27							300	0.97	34.084	6.24	27.33	075	075	0.4843
392	0.71	34.082	5.59							400	0.68	34.080	5.57	27.34	074	073	0.5590
488	0.46	34.067	5.39														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 , STATION 106-08 , 37-53.7. N, 130-18.9. E, OCT.16.1983, 09:25 KST, DEPTH 1800 , COLOR 3, TRANS. 18.5,																	
WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1008.5. AIR TEMP. DRY 19.5. WET , CLOUD. TYPE CI. AMT 07. WEATHER BC,																	
0	21.11	32.289	5.20							0	21.11	32.289	5.20	22.42	542	542	0.0000
10	21.13	32.738	5.39							10	21.13	32.738	5.39	22.76	510	510	0.0526
20	21.13	32.913	5.29							20	21.13	32.913	5.29	22.89	497	498	0.1030
30	21.12	33.440	5.21							30	21.12	33.440	5.21	23.29	459	459	0.1509
50	15.06	34.074	4.71							50	15.06	34.074	4.71	25.26	271	272	0.2242
75	8.50	34.140	6.06							75	8.50	34.140	6.06	26.54	150	151	0.2772
97	3.25	34.051	6.16							100	3.15	34.050	6.17	27.13	094	094	0.3079
130	2.21	34.046	6.27							125	2.36	34.046	6.25	27.20	087	088	0.3308
155	2.03	34.035	6.27							150	2.06	34.037	6.27	27.21	086	086	0.3526
203	1.39	34.027	6.08							200	1.43	34.027	6.09	27.25	082	082	0.3950
251	1.11	34.064	5.98							250	1.11	34.063	5.98	27.30	077	077	0.4351
299	0.83	34.073	5.98							300	0.82	34.072	5.98	27.33	075	075	0.4735
396	0.56	34.070	6.08							400	0.55	34.069	6.08	27.34	074	073	0.5481
492	0.38	34.059	6.08														
KOREA .GANGWON 854 , STATION 106-09 , 37-53.7. N, 130-37.7. E, OCT.16.1983, 07:05 KST, DEPTH 2250 , COLOR , TRANS. ,																	
WAVE NW 2, SWELL NW 1. WIND NW 2. BARO 1008.5. AIR TEMP. DRY 19.0. WET , CLOUD. TYPE CI. AMT 06. WEATHER BC,																	
0	20.35	32.346	5.20							0	20.35	32.346	5.20	22.67	519	518	0.0000
10	20.35	32.818	5.20							10	20.35	32.818	5.20	23.03	484	484	0.0501
20	20.34	32.920	5.29							20	20.34	32.920	5.29	23.11	477	477	0.0982
30	20.33	33.310	5.49							30	20.33	33.310	5.49	23.40	448	449	0.1446
50	11.51	33.731	5.69							50	11.51	33.731	5.69	25.71	228	229	0.2125
75	5.84	34.017	6.35							75	5.84	34.017	6.35	26.81	124	124	0.2568

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
98	3.56	34.034	6.47							100	3.48	34.035	6.46	27.09	098	098	0.2847
129	2.43	34.063	6.37							125	2.57	34.059	6.38	27.19	088	088	0.3082
153	1.90	34.051	6.17							150	1.96	34.052	6.19	27.23	084	084	0.3299
201	1.16	34.063	6.08							200	1.17	34.062	6.08	27.30	078	078	0.3706
249	0.94	34.056	5.98							250	0.93	34.056	5.98	27.31	077	077	0.4095
297	0.74	34.074	6.18							300	0.73	34.073	6.17	27.33	074	074	0.4475
396	0.55	34.070	5.98							400	0.54	34.069	5.98	27.34	074	073	0.5217
492	0.36	34.068	6.08														

KOREA ,GANGWON 854 , STATION 106-10 , 37-53.7. N, 130-56.5. E. OCT.16.1983, 04:50 KST, DEPTH 1980. , COLOR , TRANS.

WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1008.5. AIR TEMP. DRY 18.9. WET , CLOUD. TYPE , AMT 07, WEATHER BC,

0	21.03	32.538	5.39							0	21.03	32.538	5.39	22.63	522	522	0.0000
10	21.20	32.784	5.20							10	21.20	32.784	5.20	22.77	508	508	0.0515
20	21.16	32.879	5.29							20	21.16	32.879	5.29	22.86	501	501	0.1020
30	20.65	33.286	5.20							30	20.65	33.286	5.20	23.30	458	459	0.1500
50	12.24	33.785	5.59							50	12.24	33.785	5.59	25.62	237	238	0.2198
75	6.44	33.787	5.85							75	6.44	33.787	5.85	26.56	148	149	0.2684
98	4.13	34.078	6.27							100	4.06	34.077	6.27	27.06	100	101	0.2997
128	3.10	34.065	6.37							125	3.20	34.066	6.36	27.14	093	093	0.3240
152	2.72	34.053	6.57							150	2.75	34.054	6.55	27.17	090	090	0.3471
201	1.57	34.056	6.57							200	1.55	34.055	6.57	27.27	081	081	0.3903
249	1.06	34.060	6.18							250	1.05	34.060	6.18	27.30	077	077	0.4301
296	1.00	34.070	6.16							300	0.98	34.070	6.16	27.32	076	076	0.4687
393	0.66	34.074	5.78							400	0.64	34.075	5.78	27.34	074	074	0.5440
490	0.45	34.089	5.78														

KOREA .GANGWON 854 . STATION 106-11 . 37-53.7. N. 131-15.1. E. OCT.16.1983. 02:20 KST. DEPTH 2070 . COLOR . TRANS. .

WAVE SE 1, SWELL SE 1. WIND SE 1, BARO 1006.5. AIR TEMP. DRY 17.8. WET . CLOUD. TYPE AS. AMT 07. WEATHER BC.

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.84	32.341	5.10							0	20.84	32.341	5.10	22.53	531	531	0.0000
10	20.88	******	5.10							10	20.88	32.589	5.10	22.71	514	514	0.0523
20	21.09	32.837	5.39							20	21.09	32.837	5.39	22.84	502	502	0.1031
30	17.80	33.524	5.20							30	17.80	33.524	5.20	24.21	372	372	0.1469
50	15.54	33.965	4.80							50	15.54	33.965	4.80	25.07	289	290	0.2133
75	11.87	34.101	5.29							75	11.87	34.101	5.29	25.93	208	209	0.2758
100	9.66	34.250	5.88							100	9.66	34.250	5.88	26.44	159	161	0.3222
126	7.95	34.209	5.88							125	8.13	34.213	5.88	26.65	139	141	0.3600
153	3.87	34.058	6.27							150	4.35	34.076	6.22	27.03	103	104	0.3908
202	2.17	34.073	6.37							200	2.23	34.072	6.36	27.23	084	085	0.4383
250	1.45	34.043	6.08							250	1.45	34.043	6.08	27.26	081	081	0.4802
298	1.07	34.061	6.27							300	1.06	34.061	6.26	27.30	077	077	0.5201
395	0.66	34.071	6.08							400	0.64	34.068	6.05	27.34	074	074	0.5962
491	0.42	34.031	5.59														

12月(December)

KOREA .GANGWON 854 . STATION 106-02 . 37-53.7. N. 128-52.5. E. DEC. 8.1983. 22:40 KST. DEPTH 58 .. COLOR . TRANS. .

WAVE NW 1, SWELL NW 1. WIND NW 2. BARO 1017. . AIR TEMP. DRY 9.3. WET . CLOUD. TYPE . AMT . WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.62	33.900	5.77							0	13.62	33.900	5.77	25.43	255	255	0.0000
10	13.57	33.875	5.47							10	13.57	33.875	5.47	25.42	256	256	0.0255
20	13.50	33.877	5.27							20	13.50	33.877	5.27	25.44	254	255	0.0511
30	13.43	33.896	5.38							30	13.43	33.896	5.38	25.47	252	252	0.0765
50	9.34	33.984	5.57							50	9.34	33.984	5.57	26.28	174	175	0.1192

KOREA .GANGWON 854 . STATION 106-03 . 37-53.7. N. 128-57.2. E. DEC. 8.1983. 21:50 KST. DEPTH 320 , COLOR . TRANS. .
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1017. , AIR TEMP. DRY 9.3, WET , CLOUD. TYPE , AMT , WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.85	33.872	5.37							0	13.85	33.872	5.37	25.36	262	261	0.0000
10	13.76	33.875	5.37							10	13.76	33.875	5.37	25.38	260	260	0.0260
20	13.73	33.878	5.27							20	13.73	33.878	5.27	25.39	259	259	0.0520
30	13.64	33.865	5.57							30	13.64	33.865	5.37	25.40	258	258	0.0779
50	8.13	34.859	5.57							50	8.13	34.859	5.57	27.16	091	092	0.1130
75	2.59	33.854	5.77							75	2.59	33.854	5.77	27.02	104	104	0.1376
101	1.76	33.830	5.77							100	1.79	33.830	5.77	27.07	099	099	0.1631
126	1.66	33.854	5.67							125	1.66	33.853	5.67	27.10	097	097	0.1878
150	1.44	33.854	5.77							150	1.44	33.854	5.77	27.11	095	095	0.2120
198	1.19	33.866	5.97							200	1.17	33.865	5.97	27.14	093	093	0.2592
248	0.81	33.865	6.07							250	0.80	33.865	6.06	27.16	091	090	0.3053
295	0.71	33.872	5.97														

KOREA .GANGWON 854 . STATION 106-04 . 37-53.7. N. 129-03.8. E. DEC. 8.1983. 20:35 KST. DEPTH 710 . COLOR , TRANS. ,
WAVE NW 1, SWELL NW 1, WIND NW 2. BARO 1017. , AIR TEMP. DRY 9.0. WET , CLOUD. TYPE , AMT , WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.86	33.855	5.47							0	13.86	33.855	5.47	25.35	263	263	0.0000
10	13.80	33.877	5.47							10	13.80	33.877	5.47	25.38	260	260	0.0261
20	13.67	33.883	5.37							20	13.67	33.883	5.37	25.41	257	257	0.0521
30	13.65	33.865	5.37							30	13.65	33.865	5.37	25.40	258	259	0.0779
50	9.57	33.918	5.47							50	9.57	33.918	5.47	26.19	182	183	0.1222
75	4.48	33.902	5.67							75	4.48	33.902	5.67	26.86	117	118	0.1599
98	3.41	33.871	5.67							100	3.32	33.868	5.68	26.97	109	109	0.1884
129	2.16	33.839	5.87							125	2.32	33.843	5.84	27.04	102	103	0.2150

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
153	1.73	33.842	5.97							150	1.78	33.841	5.95	27.08	099	099	0.2404
202	1.48	33.932	6.07							200	1.49	33.928	6.06	27.17	090	090	0.2878
250	1.26	33.886	5.97							250	1.26	33.886	5.97	27.15	092	092	0.3336
298	0.88	33.871	6.07							300	0.87	33.871	6.06	27.16	091	090	0.3794
395	0.50	33.877	5.67							400	0.49	33.877	5.65	27.19	088	087	0.4689
491	0.34	33.885	5.47														

KOREA .GANGWON 854 , STATION 106-05 . 37-53.7. N, 129-22.1. E, DEC. 8.1983. 18:00 KST. DEPTH 1120 , COLOR . TRANS. ,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1017. , AIR TEMP. DRY 9.1, WET , CLOUD. TYPE , AMT , WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.55	33.766	5.57							0	14.55	33.766	5.57	25.13	283	283	0.0000
10	14.44	33.793	5.57							10	14.44	33.793	5.57	25.18	279	279	0.0281
20	14.28	33.784	5.47							20	14.28	33.784	5.47	25.20	277	277	0.0560
30	14.16	33.807	5.37							30	14.16	33.807	5.37	25.25	272	273	0.0835
50	14.06	33.836	5.37							50	14.06	33.836	5.37	25.29	268	269	0.1378
75	8.61	34.029	5.48							75	8.61	34.029	5.48	26.44	160	161	0.1917
99	4.87	33.941	5.87							100	4.78	33.937	5.87	26.87	118	119	0.2267
128	2.46	33.834	6.07							125	2.70	33.845	6.04	27.01	105	106	0.2549
153	1.64	33.836	6.07							150	1.73	33.835	6.07	27.08	099	099	0.2806
202	1.15	33.844	6.27							200	1.17	33.843	6.26	27.12	094	094	0.3292
250	0.91	33.856	6.07							250	0.91	33.856	6.07	27.15	092	092	0.3759
298	0.85	33.859	6.27							300	0.84	33.859	6.25	27.16	091	091	0.4219
396	0.62	33.877	5.57							400	0.61	33.878	5.56	27.18	089	088	0.5121
493	0.42	33.903	5.37														

KOREA .GANGWON 854 , STATION 106-06 . 37-53.7. N. 129-41.3. E, DEC, 8.1983. 15:30 KST. DEPTH 1620 . COLOR 3. TRANS. 18.0.

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1017. . AIR TEMP. DRY 10.6, WET , CLOUD. TYPE CI. AMT 02. WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	15.16	33.848	5.17							0	15.16	33.848	5.17	25.06	290	290	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.61	33.873	5.17							10	14.61	33.873	5.17	25.20	277	277	0.0283
20	14.41	33.903	5.27							20	14.41	33.903	5.27	25.27	270	271	0.0557
30	14.30	33.904	5.27							30	14.30	33.904	5.27	25.29	268	269	0.0828
50	14.24	33.923	5.27							50	14.24	33.923	5.27	25.32	266	267	0.1364
75	13.40	33.949	5.27							75	13.40	33.949	5.27	25.51	247	249	0.2009
100	9.33	34.120	5.38							100	9.33	34.120	5.38	26.39	164	165	0.2528
126	4.25	33.969	6.07							125	4.44	33.974	6.04	26.94	112	112	0.2877
151	2.89	33.951	6.07							150	2.94	33.951	6.07	27.07	099	100	0.3143
200	1.60	33.852	5.97							200	1.60	33.852	5.97	27.10	097	097	0.3637
250	1.11	33.854	6.07							250	1.11	33.854	6.07	27.13	093	093	0.4115
298	0.94	33.866	5.87							300	0.93	33.866	5.86	27.16	091	091	0.4578
396	0.59	33.866	5.77							400	0.58	33.865	5.76	27.18	089	089	0.5484
493	0.49	33.865	5.57														

KOREA .GANGWON 854 . STATION 106-07 . 37-53.7. N. 130-00.0. E. DEC. 8.1983. 13:10 KST. DEPTH 1060 . COLOR 3. TRANS. 17.0.

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1016.5. AIR TEMP. DRY 11.2. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

0	15.79	33.788	5.17							0	15.79	33.788	5.17	24.88	308	307	0.0000
10	15.72	33.804	5.17							10	15.72	33.804	5.17	24.91	305	305	0.0306
20	15.66	33.792	5.07							20	15.66	33.792	5.07	24.91	305	305	0.0611
30	15.64	33.816	4.98							30	15.64	33.816	4.98	24.93	302	303	0.0916
50	15.54	33.818	5.07							50	15.54	33.818	5.07	24.96	300	301	0.1521
75	15.51	33.880	5.38							75	15.51	33.880	5.38	25.01	295	297	0.2269
99	14.51	34.257	5.18							100	14.23	34.249	5.19	25.57	242	244	0.2946
129	6.32	34.021	5.68							125	7.41	34.052	5.61	26.63	141	143	0.3431
154	3.38	33.939	5.97							150	3.85	33.952	5.92	26.99	107	108	0.3746

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
203	1.52	33.877	6.17							200	1.63	33.880	6.15	27.12	095	095	0.4256
252	1.07	33.892	5.87							250	1.08	33.891	5.88	27.17	090	090	0.4721
299	0.87	33.912	5.57							300	0.86	33.912	5.56	27.20	087	087	0.5168
398	0.59	33.916	5.47							400	0.58	33.915	5.47	27.22	086	085	0.6035
495	0.48	33.903	5.47														

KOREA .GANGWON 854 , STATION 106-08 , 37-53.7. N, 130-18.9. E, DEC. 8.1983, 10:45 KST, DEPTH 1800 , COLOR 3, TRANS. 18.0.

WAVE W 1, SWELL W 1, WIND W 2. BARO 1018. . AIR TEMP. DRY 10.8, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.25	33.828	5.27							0	16.25	33.828	5.27	24.80	315	314	0.0000
10	16.24	33.809	5.07							10	16.24	33.809	5.07	24.79	316	316	0.0315
20	16.20	33.831	5.17							20	16.20	33.831	5.17	24.82	313	314	0.0630
30	15.94	33.781	5.07							30	15.94	33.781	5.07	24.84	311	312	0.0943
50	15.92	33.781	5.17							50	15.92	33.781	5.17	24.84	311	312	0.1568
75	15.77	33.765	5.17							75	15.77	33.765	5.17	24.87	309	311	0.2348
98	15.02	34.241	5.17							100	14.90	34.236	5.18	25.42	256	259	0.3061
126	13.43	34.175	5.38							125	13.48	34.177	5.37	25.67	232	235	0.3679
151	8.43	34.072	5.78							150	8.63	34.076	5.76	26.47	156	159	0.4172
200	2.82	33.901	5.77							200	2.82	33.901	5.77	27.04	102	103	0.4829
249	2.58	33.866	5.77							250	2.55	33.866	5.77	27.04	103	103	0.5347
299	1.48	33.879	5.77							300	1.47	33.879	5.77	27.13	094	094	0.5843
397	0.85	33.889	5.77							400	0.83	33.889	5.76	27.18	089	089	0.6763
495	0.48	33.912	5.57														

KOREA .GANGWON 854 . STATION 106-09 . 37-53.7. N, 130-37.7. E. DEC. 8.1983. 08:30 KST. DEPTH 2250 , COLOR 3, TRANS. 18.0.

WAVE NW 1. SWELL NW 1. WIND NW 1. BARO 1018. . AIR TEMP. DRY 12.0. WET , CLOUD. TYPE CI, AMT 03, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.91	33.690	5.57							0	15.91	33.690	5.57	24.78	317	317	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	15.84	33.720	5.47							10	15.84	33.720	5.47	24.81	314	314	0.0315
20	15.82	33.686	5.37							20	15.82	33.686	5.37	24.79	316	316	0.0631
30	15.80	33.692	5.17							30	15.80	33.692	5.17	24.80	315	315	0.0947
50	15.77	33.704	5.17							50	15.77	33.704	5.17	24.82	313	314	0.1577
75	15.68	33.711	5.27							75	15.68	33.711	5.27	24.84	311	313	0.2362
100	15.28	34.193	5.28							100	15.28	34.193	5.28	25.30	267	270	0.3091
125	10.80	34.130	5.68							125	10.80	34.130	5.68	26.15	187	189	0.3666
150	10.75	33.963	5.97							150	10.75	33.963	5.97	26.03	198	201	0.4155
200	3.04	33.892	5.77							200	3.04	33.892	5.77	27.02	105	105	0.4925
250	1.47	33.884	6.07							250	1.47	33.884	6.07	27.13	093	094	0.5425
300	1.01	33.897	5.97							300	1.01	33.897	5.97	27.18	089	089	0.5884
400	0.60	33.886	5.77							400	0.60	33.886	5.77	27.19	088	088	0.6774
500	0.33	33.898	5.57							500	0.33	33.898	5.57	27.22	086	085	0.7640

KOREA .GANGWON 854 , STATION 106-10 , 37-53.7. N. 130-56.5. E. DEC. 4.1983. 11:10 KST. DEPTH 1980 . COLOR 3. TRANS. 18.0.
WAVE N 3. SWELL N 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 8.8. WET , CLOUD. TYPE CU. AMT 07. WEATHER BC.

0	16.80	33.945	5.27							0	16.80	33.945	5.27	24.77	318	318	0.0000
10	16.83	33.963	5.27							10	16.83	33.963	5.27	24.77	318	318	0.0318
20	16.82	33.963	5.27							20	16.82	33.963	5.27	24.78	317	318	0.0636
30	16.80	33.948	5.17							30	16.80	33.948	5.17	24.77	318	319	0.0954
50	16.78	33.998	5.47							50	16.78	33.998	5.47	24.81	314	315	0.1589
75	16.76	33.996	5.28							75	16.76	33.996	5.28	24.82	314	315	0.2378
96	15.17	34.197	5.18							100	14.86	34.170	5.23	25.38	260	263	0.3102
133	12.35	33.949	5.67							125	12.95	34.002	5.56	25.64	235	238	0.3729
157	3.89	33.815	6.17							150	6.35	33.854	6.02	26.62	142	144	0.4207

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
205	1.40	33.854	6.07							200	1.65	33.849	6.08	27.09	097	097	0.4812
251	1.14	33.904	6.17							250	1.14	33.902	6.16	27.17	090	090	0.5283
297	1.02	33.893	6.17							300	1.01	33.893	6.16	27.17	090	090	0.5734
393	0.81	33.896	5.87							400	0.79	33.896	5.87	27.19	088	088	0.6627
488	0.59	33.896	5.87														

KOREA .GANGWON 854 . STATION 106-11 . 37-53.7. N. 131-15.1. E. DEC. 4.1983. 13:30 KST. DEPTH 2070 . COLOR 3. TRANS. 18.0.

WAVE NW 3, SWELL NW 2, WIND NW 3. BARO 1014. . AIR TEMP. DRY 9.1, WET , CLOUD. TYPE CU, AMT 06, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.72	33.901	5.37							0	16.72	33.901	5.37	24.75	320	319	0.0000
10	16.73	33.898	5.37							10	16.73	33.898	5.37	24.75	320	320	0.0320
20	16.70	33.893	5.27							20	16.70	33.893	5.27	24.75	320	320	0.0640
30	16.62	33.900	5.27							30	16.62	33.900	5.27	24.77	317	318	0.0960
50	16.54	33.924	5.37							50	16.54	33.924	5.37	24.81	314	315	0.1594
75	16.42	33.959	5.47							75	16.42	33.959	5.47	24.87	309	311	0.2377
78	15.27	34.241	5.58							100	11.61	34.065	5.78	25.95	206	208	0.3026
131	6.47	33.819	6.07							125	7.46	33.866	6.01	26.48	156	157	0.3483
154	3.11	33.818	6.07							150	3.69	33.818	6.07	26.89	116	117	0.3827
203	1.64	33.855	6.17							200	1.73	33.852	6.16	27.09	097	098	0.4366
250	1.33	33.906	6.07							250	1.33	33.906	6.07	27.16	091	091	0.4840
296	1.11	33.893	5.77							300	1.09	33.893	5.77	27.17	090	090	0.5295
392	0.65	33.903	5.77							400	0.64	33.901	5.76	27.20	087	087	0.6184
486	0.54	33.890	5.67														

105線 海洋觀測 成績

Oceanographic Data. Line 105

2月(February)

KOREA .GANGWON 854 . STATION 105-03 , 37-33.2. N, 129-10.3. E, FEB.16.1983, 05:00 KST, DEPTH 46 , COLOR , TRANS.

WAVE SW 2. SWELL SW 1, WIND SW 2, BARO 1019. , AIR TEMP. DRY 5.0, WET . CLOUD. TYPE NS, AMT 10, WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	8.82	34.275	6.71							0	8.82	34.275	6.71	26.59	144	144	0.0000
10	8.86	34.289	6.71							10	8.86	34.289	6.71	26.60	144	144	0.0144
20	8.90	34.284	*****							20	8.90	34.284	6.76	26.59	145	145	0.0289
30	8.85	34.284	6.81							30	8.85	34.284	6.81	26.60	144	145	0.0435

KOREA .GANGWON 854 . STATION 105-04 . 37-33.2. N. 129-15.5. E. FEB.16.1983. 05:55 KST. DEPTH 250 . COLOR , TRANS.

WAVE SW 2. SWELL SW 1. WIND SW 2. BARO 1019. . AIR TEMP. DRY 4.5. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	8.97	34.279	6.71							0	8.97	34.279	6.71	26.57	146	146	0.0000
10	8.98	34.278	6.81							10	8.98	34.278	6.81	26.57	147	147	0.0146
20	9.02	34.271	6.51							20	9.02	34.271	6.51	26.56	148	148	0.0294
30	8.99	34.270	*****							30	8.99	34.270	6.47	26.56	147	148	0.0442
50	8.84	34.202	6.41							50	8.84	34.202	6.41	26.53	150	151	0.0742
75	6.80	34.099	6.02							75	6.80	34.099	6.02	26.75	129	130	0.1094
99	3.98	34.042	6.12							100	3.93	34.041	6.12	27.05	101	102	0.1386
124	2.87	34.023	6.12							125	2.82	34.023	6.12	27.14	093	093	0.1631
147	1.80	34.024	6.22							150	1.77	34.024	6.22	27.23	085	085	0.1855
193	1.38	34.039	6.22														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 105-05 . 37-33.2. N. 129-22.6. E. FEB.16.1983. 07:10 KST. DEPTH 380 . COLOR . TRANS. .

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1019. , AIR TEMP. DRY 4.7, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	8.36	34.197	6.81							0	8.36	34.197	6.81	26.61	143	143	0.0000
10	8.36	34.206	6.71							10	8.36	34.206	6.71	26.61	143	143	0.0143
20	8.40	34.200	6.71							20	8.40	34.200	6.71	26.60	144	144	0.0287
30	8.37	34.197	6.71							30	8.37	34.197	6.71	26.60	144	144	0.0431
50	8.16	34.195	6.71							50	8.16	34.195	6.71	26.63	141	141	0.0717
75	8.12	34.193	6.61							75	8.12	34.193	6.61	26.64	140	141	0.1072
109	7.47	34.166	6.51							100	7.64	34.173	6.53	26.69	135	136	0.1420
128	5.41	34.128	6.22							125	5.73	34.134	6.26	26.92	114	115	0.1736
156	2.70	34.046	6.22							150	3.28	34.063	6.22	27.13	094	094	0.1999
204	1.58	34.031	6.22							200	1.67	34.032	6.22	27.24	083	084	0.2447
251	1.14	34.024	6.22							250	1.14	34.024	6.22	27.27	081	081	0.2860
297	0.93	34.004	6.22														

KOREA .GANGWON 854 . STATION 105-06 , 37-33.2. N, 129-41.3. E, FEB.16.1983, 09:20 KST. DEPTH 810 . COLOR 4. TRANS. 16.0,

WAVE SW 3, SWELL SW 1, WIND SW 3, BARO 1017. , AIR TEMP. DRY 4.7, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	8.61	34.187	6.71							0	8.61	34.187	6.71	26.56	148	148	0.0000
10	8.62	34.197	6.81							10	8.62	34.197	6.81	26.56	147	147	0.0147
20	8.62	34.205	6.81							20	8.62	34.205	6.81	26.57	147	147	0.0295
30	8.63	34.202	6.71							30	8.63	34.202	6.71	26.57	147	147	0.0442
50	8.64	34.202	6.51							50	8.64	34.202	6.51	26.57	147	148	0.0738
75	8.66	34.201	6.61							75	8.66	34.201	6.61	26.56	148	149	0.1110
99	8.63	34.158	6.51							100	8.62	34.156	6.50	26.53	150	152	0.1487
129	8.62	34.123	6.39							125	8.62	34.127	6.40	26.51	152	154	0.1871

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
153	7.01	34.010	6.31							150	7.21	34.024	6.32	26.64	140	142	0.2244
201	2.65	34.027	6.31							200	2.74	34.026	6.31	27.15	092	093	)0.2834
249	1.54	34.059	6.32							250	1.53	34.059	6.32	27.27	080	081	0.3270
297	1.22	34.074	6.41							300	1.20	34.073	6.41	27.30	077	077	0.3668
394	0.73	34.050	6.41							400	0.71	34.049	6.41	27.32	076	076	0.4439
491	0.50	34.049	6.41														

KOREA .GANGWON 854 . STATION 105-07 , 37-33.2. N. 130-00.0. E, FEB.14.1983, 17:20 KST, DEPTH 1480 , COLOR , TRANS.

WAVE SW 5. SWELL SW 3, WIND SW 5, BARO 1015. . AIR TEMP. DRY 5.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	9.07	34.291	6.02							0	9.07	34.291	6.02	26.57	147	147	0.0000
10	9.07	34.320	5.92							10	9.07	34.320	5.92	26.59	145	145	0.0146
20	9.06	34.308	5.92							20	9.06	34.308	5.92	26.58	146	146	0.0292
30	9.05	34.306	5.82							30	9.05	34.306	5.82	26.58	146	146	0.0438
50	8.52	34.294	5.82							50	8.52	34.294	5.82	26.66	139	139	0.0724
75	8.49	34.217	5.82							75	8.49	34.217	5.82	26.60	144	145	0.1080
97	5.39	34.135	5.82							100	5.15	34.132	5.82	26.99	107	108	0.1398
133	2.59	34.103	5.92							125	3.21	34.110	5.89	27.17	090	090	0.1647
160	2.02	34.063	6.32							150	2.23	34.077	6.17	27.23	084	084	0.1866
207	1.83	34.060	6.41							200	1.85	34.060	6.39	27.25	083	083	0.2287
252	1.46	34.058	6.41							250	1.47	34.058	6.41	27.27	080	080	0.2698
298	1.14	34.049	6.41							300	1.13	34.048	6.41	27.29	079	079	0.3096
392	0.79	34.033	6.41							400	0.76	34.033	6.37	27.30	078	077	0.3884
484	0.46	34.037	6.02														

KOREA .GANGWON 854 . STATION 105-08 , 37-33.2. N, 130-16.7. E, FEB.14.1983, 14:25 KST, DEPTH 1503 , COLOR 4, TRANS. 15.0,

WAVE SW 4. SWELL SW 2, WIND SW 4, BARO 1023. , AIR TEMP. DRY 4.5, WET , CLOUD. TYPE C1, AMT 06, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.04	34.245	5.92							0	11.04	34.245	5.92	26.20	182	182	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	11.03	34.237	5.92							10	11.03	34.237	5.92	26.19	183	183	0.0182
20	11.02	34.246	5.92							20	11.02	34.246	5.92	26.20	182	182	0.0365
30	10.97	34.253	5.82							30	10.97	34.253	5.82	26.21	181	181	0.0547
50	10.95	34.258	5.92							50	10.95	34.258	5.92	26.22	180	181	0.0910
75	10.92	34.267	5.92							75	10.92	34.267	5.92	26.23	179	180	0.1362
97	10.33	34.337	5.92							100	10.27	34.332	5.93	26.40	163	165	0.1794
132	9.68	34.283	*****							125	9.81	34.293	6.07	26.45	158	161	0.2202
161	8.86	34.271	6.22							150	9.17	34.275	6.17	26.54	150	152	0.2595
208	2.59	34.152	5.72							200	3.65	34.172	5.80	27.18	089	090	0.3204
255	1.58	34.088	5.62							250	1.68	34.094	5.63	27.29	079	079	0.3630
302	1.15	34.079	5.62							300	1.16	34.079	5.62	27.31	076	077	0.4022
391	0.75	34.047	5.82							400	0.72	******	5.82	*****	***	***	******
486	0.52	******	5.92														

KOREA .GANGWON 854 . STATION 105-09 , 37-33.2. N, 130-37.5. E, FEB.14.1983. 12:00 KST, DEPTH 1140 ., COLOR 4, TRANS. 16.0,
WAVE SW 3, SWELL SW 2, WIND SW 3, BARO 1023. , AIR TEMP. DRY 5.9, WET , CLOUD. TYPE AS, AMT 04, WEATHER BC,

0	11.14	34.259	5.92							0	11.14	34.259	5.92	26.19	183	183	0.0000
10	11.18	34.251	5.82							10	11.18	34.251	5.82	26.17	184	184	0.0183
20	11.15	34.244	5.92							20	11.15	34.244	5.92	26.17	184	184	0.0368
30	11.13	34.251	5.82							30	11.13	34.251	5.82	26.18	183	184	0.0553
50	11.00	34.251	5.82							50	11.00	34.251	5.82	26.21	181	182	0.0920
75	10.94	34.235	5.82							75	10.94	34.235	5.82	26.21	181	183	0.1377
99	10.82	34.238	5.82							100	10.79	34.237	5.82	26.23	179	181	0.1833
131	10.09	34.237	5.82							125	10.22	34.237	5.82	26.33	169	172	0.2274
155	10.05	34.241	5.92							150	10.05	34.240	5.89	26.36	166	169	0.2701

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
203	7.07	34.152	*****							200	7.25	34.157	5.88	26.74	131	134	0.3461
251	2.57	34.049	5.92							250	2.66	34.051	5.91	27.18	089	090	0.4025
298	1.46	34.040	5.92							300	1.44	34.040	5.91	27.26	081	082	0.4457
395	0.55	34.068	5.63							400	0.54	34.066	5.61	27.34	074	073	0.5238
490	0.39	34.040	5.43														

KOREA .GANGWON 854 . STATION 105-10 . 37-33.2. N, 130-55.9. E, FEB.14.1983. 09:50 KST. DEPTH 1800 . COLOR 4. TRANS. 16.0.

WAVE NW 3, SWELL NW 2, WIND NW 3, BARO 1024.5, AIR TEMP. DRY 6.0, WET , CLOUD. TYPE CU. AMT 06, WEATHER C .

0	10.63	34.193	5.92							0	10.63	34.193	5.92	26.23	179	179	0.0000
10	10.62	34.192	5.92							10	10.62	34.192	5.92	26.23	179	179	0.0179
20	10.81	34.198	6.12							20	10.81	34.198	6.12	26.20	182	182	0.0360
30	10.80	34.215	6.22							30	10.80	34.215	6.22	26.22	180	181	0.0542
50	10.67	34.195	6.32							50	10.67	34.195	6.32	26.22	180	181	0.0904
75	10.60	34.194	6.32							75	10.60	34.194	6.32	26.23	179	180	0.1356
99	10.57	34.193	6.22							100	10.56	34.192	6.21	26.24	178	180	0.1807
130	10.33	34.190	5.92							125	10.36	34.190	5.96	26.27	175	177	0.2255
154	9.01	34.189	5.73							150	9.23	34.189	5.76	26.46	157	160	0.2678
202	4.67	34.155	*****							200	4.85	34.156	6.02	27.04	102	104	0.3340
250	2.64	34.073	6.12							250	2.64	34.073	6.12	27.19	088	089	0.3823
298	1.44	34.050	5.92							300	1.43	34.050	5.91	27.27	080	081	0.4250
395	1.19	34.054	5.72							400	1.15	34.053	5.71	27.29	078	079	0.5052
491	0.45	34.042	5.62														

KOREA .GANGWON 854 . STATION 105-11 . 37-33.2. N. 131-14.6. E. FEB. 4.1983. 17:50 KST. DEPTH 2375 . COLOR . TRANS.

WAVE SW 3. SWELL SW 1. WIND SW 3. BARO 1011. . AIR TEMP. DRY 6.0. WET , CLOUD. TYPE CI. AMT 02. WEATHER B .

0	11.55	34.211	6.51							0	11.55	34.211	6.51	26.08	194	193	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	11.56	34.198	6.51							10	11.56	34.198	6.51	26.06	195	195	0.0194
20	11.41	34.164	6.41							20	11.41	34.164	6.41	26.07	195	195	0.0389
30	11.40	34.157	6.51							30	11.40	34.157	6.51	26.06	195	195	0.0585
50	11.30	34.140	6.51							50	11.30	34.140	6.51	26.07	195	195	0.0977
75	11.22	34.140	6.51							75	11.22	34.140	6.51	26.08	193	195	0.1466
100	10.80	34.158	6.12							100	10.80	34.158	6.12	26.17	185	187	0.1943
129	10.42	34.126	6.12							125	10.47	34.130	6.12	26.21	181	184	0.2407
153	8.82	34.145	6.12							150	9.02	34.142	6.12	26.46	157	160	0.2838
201	4.77	******	5.92							200	4.85	34.098	5.92	26.99	107	108	0.3511
249	2.39	34.079	5.92							250	2.36	34.078	5.91	27.22	085	086	0.3999
297	1.42	34.047	5.82							300	1.39	34.046	5.81	27.27	080	081	0.4418
394	0.66	34.030	5.63							400	0.64	34.029	5.61	27.30	077	077	0.5212
491	0.41	34.026	5.43														

4月(April)

KOREA .GANGWON 854 , STATION 105-03 , 37-33.2. N, 129-10.3. E, APR.12.1983, 07:50 KST, DEPTH 48 , COLOR 4, TRANS. 14.0,

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1010. , AIR TEMP. DRY 7.7, WET , CLOUD. TYPE ST, AMT 03, WEATHER BC,

0	7.03	34.085	7.16							0	7.03	34.085	7.16	26.71	133	133	0.0000
10	6.93	34.085	7.16							10	6.93	34.085	7.16	26.72	132	132	0.0133
20	6.89	34.113	7.16							20	6.89	34.113	7.16	26.75	130	130	0.0264
30	6.62	34.119	6.96							30	6.62	34.119	6.96	26.79	126	126	0.0392
45	4.01	34.065	6.57														

KOREA .GANGWON 854 , STATION 105-04 , 37-33.2. N, 129-15.5. E, APR.12.1983, 08:45 KST, DEPTH 250 , COLOR 4, TRANS. 14.0,

WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1010.5, AIR TEMP. DRY 7.7, WET , CLOUD. TYPE ST, AMT 03, WEATHER BC,

0	8.00	34.201	6.86							0	8.00	34.201	6.86	26.66	138	138	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	7.85	34.204	7.06							10	7.85	34.204	7.06	26.69	136	136	0.0137
20	7.80	34.197	7.06							20	7.80	34.197	7.06	26.69	136	136	0.0273
30	7.39	34.169	7.26							30	7.39	34.169	7.26	26.73	132	132	0.0407
50	4.61	34.068	7.06							50	4.61	34.068	7.06	27.00	106	106	0.0647
75	3.33	34.029	6.96							75	3.33	34.029	6.96	27.10	097	097	0.0902
103	2.52	34.034	6.96							100	2.60	34.033	6.96	27.17	090	091	0.1138
126	1.98	34.020	6.57							125	2.00	34.020	6.58	27.20	087	087	0.1361
148	1.50	34.046	6.76							150	1.49	34.048	6.76	27.26	081	081	0.1572
195	1.47	34.097	6.86														

KOREA .GANGWON 854 , STATION 105-05 , 37-33.2. N, 129-22.6. E, APR.12.1983, 09:50 KST, DEPTH 380 , , COLOR 4, TRANS. 14.0,
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1010.5, AIR TEMP. DRY 10.1, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	8.19	34.229	6.96							0	8.19	34.229	6.96	26.66	139	138	0.0000
10	8.11	34.218	7.06							10	8.11	34.218	7.06	26.66	138	138	0.0138
20	8.09	34.216	6.76							20	8.09	34.216	6.76	26.66	138	138	0.0277
30	4.83	34.093	6.57							30	4.83	34.093	6.57	26.99	107	107	0.0400
50	3.05	34.019	6.76							50	3.05	34.019	6.76	27.12	095	095	0.0603
75	2.85	34.043	6.86							75	2.85	34.043	6.86	27.15	092	092	0.0837
103	2.25	34.009	6.86							100	2.31	34.012	6.86	27.17	090	090	0.1066
122	1.98	34.023	6.76							125	1.95	34.023	6.76	27.21	086	086	0.1287
150	1.78	34.030	6.76							150	1.78	34.030	6.76	27.23	084	084	0.1501
197	1.43	34.065	6.18							200	1.40	34.066	6.16	27.28	079	079	0.1913
243	1.09	34.084	5.88							250	1.05	34.081	5.88	27.32	076	076	0.2303
290	0.88	34.070	5.88														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 , STATION 105-06 , 37-33.2. N, 129-41.3. E, APR.12.1983, 12:10 KST, DEPTH 810 , COLOR 4, TRANS. ,																	
WAVE W 1, SWELL W 1, WIND W 1, BARO 1010.5, AIR TEMP. DRY 11.0, WET , CLOUD. TYPE ST. AMT 01, WEATHER B ,																	
0	9.87	34.262	7.06							0	9.87	34.262	7.06	26.41	162	161	0.0000
10	9.48	34.249	7.16							10	9.48	34.249	7.16	26.47	156	156	0.0159
20	9.33	34.147	7.06							20	9.33	34.147	7.06	26.41	162	162	0.0318
30	6.97	34.132	6.86							30	6.97	34.132	6.86	26.76	129	129	0.0465
50	4.16	34.028	6.76							50	4.16	34.028	6.76	27.01	105	105	0.0700
75	2.85	34.000	6.76							75	2.85	34.000	6.76	27.12	095	095	0.0951
99	2.82	34.045	6.86							100	2.81	34.044	6.85	27.16	091	091	0.1185
129	2.56	34.025	6.76							125	2.59	34.027	6.77	27.16	091	091	0.1414
153	1.86	34.044	6.76							150	1.94	34.041	6.76	27.23	085	085	0.1635
202	1.46	34.085	6.27							200	1.47	34.083	6.29	27.29	078	078	0.2046
250	1.13	34.085	6.07							250	1.13	34.085	6.07	27.32	076	076	0.2434
297	0.99	34.084	5.87							300	0.98	34.083	5.86	27.33	075	075	0.2814
394	0.86	34.060	5.68							400	0.84	34.056	5.68	27.31	076	076	0.3576
490	0.62	34.001	5.68														
KOREA .GANGWON 854 . STATION 105-07 , 37-33.2. N, 130-00.0. E, APR.12.1983, 14:35 KST, DEPTH 1480 , COLOR , TRANS. ,																	
WAVE W 1. SWELL W 1. WIND W 1. BARO 1010.5. AIR TEMP. DRY 17.1, WET , CLOUD. TYPE ST. AMT 01, WEATHER B ,																	
0	12.23	34.435	6.47							0	12.23	34.435	6.47	26.12	189	189	0.0000
10	11.45	34.452	6.47							10	11.45	34.452	6.47	26.28	174	174	0.0182
20	11.11	34.395	6.47							20	11.11	34.395	6.47	26.30	172	173	0.0356
30	8.74	34.189	6.76							30	8.74	34.189	6.76	26.54	150	150	0.0517
50	5.32	34.086	6.76							50	5.32	34.088	6.76	26.93	112	113	0.0781
75	2.61	34.022	6.76							75	2.61	34.022	6.76	27.16	091	091	0.1037

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	2.43	34.008	6.76							100	2.43	34.008	6.76	27.16	091	091	0.1266
127	1.89	34.030	6.56							125	1.93	34.028	6.57	27.22	086	086	0.1488
152	1.63	34.043	6.26							150	1.65	34.041	6.28	27.25	083	083	0.1700
201	1.19	34.047	5.98							200	1.19	34.046	5.98	27.28	079	079	0.2107
250	0.92	34.057	5.78							250	0.92	34.057	5.78	27.31	077	077	0.2499
298	0.75	34.085	5.78							300	0.74	34.084	5.77	27.34	074	073	0.2876
396	0.41	34.066	5.69							400	0.40	34.066	5.68	27.35	073	073	0.3612
493	0.34	34.066	5.59														

KOREA .GANGWON 854 , STATION 105-06 , 37-33.2. N, 130-16.7. E, APR.12.1983, 16:55 KST, DEPTH 1503 , COLOR , TRANS.

WAVE SE 1. SWELL SE 1. WIND SE 1. BARO 1010.5, AIR TEMP. DRY 14.2, WET , CLOUD. TYPE ST, AMT 01. WEATHER B ,

0	13.32	34.434	6.47							0	13.32	34.434	6.47	25.90	210	210	0.0000
10	12.22	34.488	6.57							10	12.22	34.488	6.57	26.16	185	185	0.0198
20	10.60	34.378	6.47							20	10.60	34.378	6.47	26.38	165	165	0.0373
30	9.25	34.377	6.27							30	9.25	34.377	6.27	26.61	143	144	0.0528
50	8.23	34.286	6.27							50	8.23	34.286	6.27	26.69	135	136	0.0809
75	5.83	34.153	5.88							75	5.83	34.153	5.88	26.92	113	114	0.1122
98	3.39	34.099	5.98							100	3.33	34.097	5.98	27.15	092	092	0.1381
132	2.44	34.070	5.98							125	2.63	34.075	5.98	27.20	087	088	0.1607
156	1.87	34.065	6.08							150	2.01	34.066	6.05	27.24	083	084	0.1822
204	1.25	34.070	5.98							200	1.30	34.069	5.98	27.29	078	078	0.2229
252	0.88	34.080	5.98							250	0.89	34.079	5.98	27.33	075	075	0.2614
297	0.66	34.068	5.86							300	0.65	34.067	5.85	27.33	074	074	0.2988
393	0.43	34.062	5.08							400	0.42	34.061	5.14	27.34	073	073	0.3729
486	0.35	34.061	5.86														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 , STATION 105-09 , 37-33.2. N, 130-37.5. E, APR.12.1983. 19:20 KST. DEPTH 1140 , COLOR , TRANS. ,																	
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1010.5, AIR TEMP. DRY 10.5, WET , CLOUD. TYPE , AMT , WEATHER ,																	
0	12.53	34.467	6.47							0	12.53	34.467	6.47	26.09	193	192	0.0000
10	11.10	34.434	6.37							10	11.10	34.434	6.37	26.33	169	169	0.0181
20	10.48	34.326	6.37							20	10.48	34.326	6.37	26.36	167	167	0.0350
30	10.31	34.340	6.18							30	10.31	34.340	6.18	26.40	163	163	0.0515
50	9.78	34.322	6.37							50	9.78	34.322	6.37	26.47	156	157	0.0836
75	9.46	34.314	6.37							75	9.46	34.314	6.37	26.52	151	153	0.1224
97	8.16	34.282	6.47							100	8.11	34.279	6.45	26.71	134	135	0.1585
138	7.57	34.246	6.27							125	7.75	34.257	6.33	26.74	130	132	0.1920
162	5.47	34.167	6.27							150	6.52	34.206	6.27	26.88	118	120	0.2237
209	2.46	34.058	6.18							200	3.03	34.078	6.19	27.16	090	091	0.2767
255	1.62	34.069	5.88							250	1.71	34.067	5.91	27.26	081	081	0.3201
301	1.53	34.080	5.88							300	1.53	34.079	5.88	27.29	079	079	0.3606
393	1.46	34.090	5.88							400	1.39	34.088	5.87	27.30	077	076	0.4397
482	0.58	34.065	5.78														
KOREA .GANGWON 854 , STATION 105-10 , 37-33.2. N, 130-55.9. E, APR.12.1983, 21:40 KST, DEPTH 1800 , COLOR , TRANS. ,																	
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1010.5, AIR TEMP. DRY 10.5, WET , CLOUD. TYPE , AMT , WEATHER ,																	
0	12.96	34.464	6.47							0	12.96	34.464	6.47	26.00	201	201	0.0000
10	11.58	34.419	6.27							10	11.58	34.419	6.27	26.23	179	179	0.0190
20	10.94	34.409	5.98							20	10.94	34.409	5.98	26.34	169	169	0.0364
30	10.69	******	5.88							30	10.69	34.383	5.88	26.37	166	167	0.0532
50	10.18	34.332	6.18							50	10.18	34.332	6.18	26.41	162	162	0.0862
75	8.98	34.267	6.08							75	8.98	34.267	6.08	26.56	147	149	0.1252

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
98	8.39	34.253	6.18							100	8.37	34.251	6.18	26.65	140	141	0.1615
129	8.18	34.226	6.18							125	8.20	34.229	6.18	26.65	139	141	0.1969
154	6.49	34.233	6.08							150	6.76	34.231	6.09	26.86	119	121	0.2297
203	2.58	34.080	5.98							200	2.81	34.089	5.98	27.19	088	089	0.2824
251	1.68	34.067	5.88							250	1.69	34.067	5.88	27.26	081	081	0.3251
299	1.29	34.055	5.88							300	1.28	34.055	5.87	27.28	079	079	0.3656
395	0.82	34.080	5.49							400	0.80	34.078	5.49	27.33	074	074	0.4429
490	0.61	34.058	5.49														

KOREA .GANGWON 854 . STATION 105-11 , 37-33.2. N, 131-14.6. E, APR.12.1983. 23:50 KST. DEPTH 2375 ., COLOR , TRANS. .

WAVE SW 1, SWELL SW 1, WIND SW 2, BARO 1013. , AIR TEMP. DRY 10.2, WET , CLOUD. TYPE , AMT , WEATHER ,

0	11.71	34.289	6.57							0	11.71	34.289	6.57	26.11	191	191	0.0000
10	11.63	34.322	6.57							10	11.63	34.322	6.57	26.15	187	187	0.0189
20	10.40	34.322	6.67							20	10.40	34.322	6.67	26.37	166	166	0.0366
30	10.30	34.302	6.67							30	10.30	34.302	6.67	26.37	166	166	0.0532
50	10.03	34.306	6.57							50	10.03	34.306	6.57	26.42	161	162	0.0861
75	9.91	34.306	6.18							75	9.91	34.306	6.18	26.44	159	160	0.1265
100	9.71	34.302	6.18							100	9.71	34.302	6.18	26.47	156	158	0.1664
133	8.68	34.278	6.18							125	8.92	34.283	6.18	26.58	145	148	0.2047
157	7.08	34.191	5.98							150	7.54	34.216	6.03	26.74	131	133	0.2398
205	3.21	34.060	5.98							200	3.61	34.073	5.98	27.11	096	097	0.2976
252	1.80	34.060	5.88							250	1.86	34.060	5.88	27.25	083	083	0.3429
298	1.17	34.062	5.78							300	1.15	34.061	5.78	27.30	078	078	0.3834
394	0.60	34.057	5.98							400	0.58	34.056	5.96	27.33	075	075	0.4602
488	0.43	34.055	5.69														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 月(June)

KOREA .GANGWON 854 , STATION 105-03 , 37-33.2. N, 129-10.3. E, JUN.12.1983, 04:05 KST, DEPTH 48 , COLOR , TRANS. ,

WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1006. , AIR TEMP. DRY 14.8, WET , CLOUD. TYPE , AMT , WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.54	33.742	6.07							0	14.54	33.742	6.07	25.12	285	285	0.0000
10	13.49	33.739	6.38							10	13.49	33.739	6.38	25.33	264	264	0.0274
20	8.24	33.776	6.38							20	8.24	33.776	6.38	26.29	173	173	0.0494
30	7.08	33.795	6.39							30	7.08	33.795	6.39	26.48	156	156	0.0659
45	4.86	33.779	6.28														

KOREA .GANGWON 854 , STATION 105-04 , 37-33.2. N, 129-15.5. E, JUN.12.1983, 00:35 KST, DEPTH 250 , COLOR , TRANS. ,

WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1008. , AIR TEMP. DRY 14.3, WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.18	33.741	6.27							0	14.18	33.741	6.27	25.19	278	277	0.0000
10	14.13	33.736	6.07							10	14.13	33.736	6.07	25.20	277	277	0.0277
20	7.87	33.788	6.19							20	7.87	33.788	6.19	26.36	167	167	0.0500
30	7.51	33.770	6.39							30	7.51	33.770	6.39	26.40	163	163	0.0665
50	3.67	33.790	6.58							50	3.67	33.790	6.58	26.87	118	118	0.0948
75	2.31	33.815	6.78							75	2.31	33.815	6.78	27.02	104	105	0.1227
101	2.04	33.818	6.58							100	2.05	33.817	6.58	27.04	102	102	0.1487
126	1.83	33.821	6.48							125	1.83	33.820	6.48	27.06	101	101	0.1742
150	1.72	33.831	6.47							150	1.72	33.831	6.47	27.07	099	099	0.1993
196	1.46	33.828	6.48														

KOREA .GANGWON 854 , STATION 105-05 , 37-33.2. N, 129-22.6. E, JUN.11.1983, 23:20 KST, DEPTH 380 , COLOR , TRANS. ,

WAVE SE 2, SWELL SE 1, WIND SE 3, BARO 1008. , AIR TEMP. DRY 14.3, WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.28	33.758	6.07							0	14.28	33.758	6.07	25.18	278	278	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	14.11	33.755	5.97							10	14.11	33.755	5.97	25.22	275	275	0.0277
20	8.15	33.791	6.49							20	8.15	33.791	6.49	26.32	171	171	0.0500
30	6.55	33.807	6.69							30	6.55	33.807	6.69	26.56	148	148	0.0660
50	3.83	33.799	6.68							50	3.83	33.799	6.68	26.87	119	119	0.0926
75	2.57	33.807	6.48							75	2.57	33.807	6.48	26.99	107	107	0.1212
99	2.09	33.814	6.48							100	2.08	33.813	6.48	27.03	103	103	0.1476
132	1.91	33.803	6.48							125	1.94	33.805	6.48	27.04	103	103	0.1734
156	1.73	33.811	6.48							150	1.77	33.809	6.48	27.05	101	101	0.1990
204	1.67	33.829	6.28							200	1.67	33.827	6.29	27.07	099	099	0.2493
252	0.95	33.862	6.17							250	0.98	33.860	6.17	27.15	092	092	0.2973
300	0.75	33.851	6.17							300	0.75	33.851	6.17	27.15	091	091	0.3433
KOREA .GANGWON 854 , STATION 105-06 , 37-33.2. N, 129-41.3. E, JUN.11.1983, 21:00 KST. DEPTH 810 , COLOR , TRANS. WAVE SE 3, SWELL SE 1, WIND SE 3, BARO 1009. , AIR TEMP. DRY 15.5, WET , CLOUD. TYPE , AMT , WEATHER ,																	
0	15.83	33.970	5.77							0	15.83	33.970	5.77	25.01	295	295	0.0000
10	15.81	33.966	5.97							10	15.81	33.966	5.97	25.01	295	295	0.0295
20	9.08	33.919	6.19							20	9.08	33.919	6.19	26.28	175	175	0.0530
30	7.49	33.921	6.19							30	7.49	33.921	6.19	26.52	152	152	0.0694
50	6.61	33.878	6.18							50	6.61	33.878	6.18	26.60	144	144	0.0991
75	3.51	33.850	6.38							75	3.51	33.850	6.38	26.94	112	112	0.1312
98	2.32	33.850	6.38							100	2.28	33.849	6.35	27.05	102	102	0.1581
134	1.61	33.845	5.97							125	1.78	33.846	6.07	27.08	098	098	0.1832
158	1.23	33.859	6.27							150	1.35	33.854	6.17	27.12	095	095	0.2075
207	1.01	33.854	5.97							200	1.04	33.854	6.01	27.14	093	093	0.2546
254	0.97	33.855	5.97							250	0.97	33.854	5.97	27.14	092	092	0.3011

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
301	0.89	33.840	6.07							300	0.89	33.840	6.06	27.14	093	093	0.3476
397	0.52	33.856	5.87							400	0.51	33.856	5.86	27.17	090	089	0.4392
492	0.38	33.869	5.77														

KOREA .GANGWON 854 . STATION 105-07 . 37-33.2. N. 130-00.0. E. JUN.11.1983. 18:15 KST. DEPTH 1480 , COLOR . TRANS. ;
WAVE SE 4. SWELL SE 2. WIND SE 4. BARO 1009. ; AIR TEMP. DRY 17.1. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

0	17.97	33.993	5.67							0	17.97	33.993	5.67	24.52	341	341	0.0000
10	17.75	33.965	5.67							10	17.75	33.965	5.67	24.56	338	338	0.0340
20	16.17	34.024	5.67							20	16.17	34.024	5.67	24.97	299	299	0.0659
30	12.42	34.027	5.86							30	12.42	34.027	5.86	25.77	223	223	0.0920
50	10.60	34.264	5.86							50	10.60	34.264	5.86	26.29	173	174	0.1319
75	8.03	34.174	5.96							75	8.03	34.174	5.96	26.64	140	141	0.1715
96	7.67	34.003	5.76							100	7.37	33.996	5.78	26.59	145	146	0.2075
135	4.83	33.944	5.97							125	5.55	33.959	5.91	26.86	125	126	0.2416
158	3.67	33.893	6.17							150	4.07	33.910	6.10	26.93	113	114	0.2717
204	2.23	33.870	6.07							200	2.35	33.872	6.07	27.06	101	101	0.3256
251	1.62	33.853	5.97							250	1.63	33.853	5.97	27.10	097	097	0.3754
296	1.36	33.851	6.07							300	1.34	33.851	6.05	27.12	095	095	0.4237
391	[illegible]	33.859	5.67							400	0.92	33.858	5.67	27.15	092	092	0.5177
483	0.73	33.849	5.67														

KOREA .GANGWON 854 , STATION 105-08 , 37-33.2. N, 130-18.7. E, JUN.11.1983, 15:50 KST, DEPTH 1503 . , COLOR 3, TRANS. 17.0,
WAVE SE 3, SWELL SE 1, WIND SE 3, BARO 1010. ; AIR TEMP. DRY 17.7, WET , CLOUD. TYPE ST, AMT 07, WEATHER BC,

0	18.40	34.262	5.56							0	18.40	34.262	5.56	24.62	332	332	0.0000
10	18.04	34.276	5.46							10	18.04	34.276	5.46	24.72	322	322	0.0327
20	15.71	34.201	5.67							20	15.71	34.201	5.67	25.21	276	276	0.0627

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	13.32	34.091	5.67							30	13.32	34.091	5.67	25.64	235	236	0.0883
50	12.66	34.103	5.77							50	12.66	34.103	5.77	25.78	222	223	0.1342
75	11.35	34.106	5.87							75	11.35	34.106	5.87	26.03	198	199	0.1871
99	10.01	34.099	6.07							100	9.99	34.099	6.07	26.26	176	178	0.2344
134	9.54	34.104	6.07							125	9.66	34.102	6.07	26.32	170	172	0.2782
158	8.11	34.064	*****							150	8.58	34.077	6.07	26.48	156	158	0.3196
206	5.12	33.923	6.07							200	5.49	33.940	6.07	26.80	125	127	0.3913
253	2.35	33.897	6.07							250	2.52	33.898	6.07	27.06	100	101	0.4486
300	1.45	33.881	5.87							300	1.45	33.881	5.87	27.13	093	094	0.4974
397	1.00	33.945	5.87							400	0.98	33.942	5.86	27.21	086	086	0.5877
493	0.52	33.866	5.67														

KOREA .GANGWON 854 . STATION 105-09 . 37-33.2. N. 130-37.5. E. JUN.10.1983. 10:35 KST. DEPTH 1140 . COLOR 3. TRANS. 19.0.
WAVE NE 4. SWELL NE 2. WIND NE 4. BARO 1007. . AIR TEMP. DRY 18.4. WET . CLOUD. TYPE ST. AMT 06. WEATHER BC.

0	18.33	34.254	5.67							0	18.33	34.254	5.67	24.63	331	331	0.0000
10	18.26	34.265	5.46							10	18.26	34.265	5.46	24.66	328	328	0.0329
20	18.10	34.252	5.46							20	18.10	34.252	5.46	24.69	326	326	0.0657
30	16.04	34.209	5.56							30	16.04	34.209	5.56	25.14	282	283	0.0962
50	14.50	34.270	5.67							50	14.50	34.270	5.67	25.53	245	246	0.1492
75	11.77	34.148	5.67							75	11.77	34.148	5.67	25.99	202	204	0.2056
97	10.51	34.085	5.87							100	10.45	34.084	5.88	26.17	184	186	0.2545
132	9.92	34.081	6.07							125	10.03	34.081	6.03	26.24	178	180	0.3004
156	8.53	34.100	6.07							150	8.87	34.095	6.07	26.45	159	161	0.3431
204	5.26	34.100	5.96							200	5.53	34.100	5.96	26.92	114	116	0.4127
252	2.13	34.100	5.87							250	2.26	34.100	5.87	27.25	083	083	0.4628

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
299	1.31	33.866	5.87							300	1.30	33.866	5.86	27.13	094	094	0.5073
394	0.90	33.869	5.67							400	0.87	33.868	5.67	27.16	091	091	0.6001
489	0.57	33.855	5.67														

KOREA .GANGWON 854 . STATION 105-10 . 37-33.2. N. 130-55.9. E. JUN.10.1983. 08:20 KST. DEPTH 1850 . COLOR 3, TRANS. 19.0,

WAVE NE 4, SWELL NE 2, WIND NE 4, BARO 1006. , AIR TEMP. DRY 18.8, WET , CLOUD. TYPE ST, AMT 07, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.67	34.176	5.47							0	17.67	34.176	5.47	24.74	321	321	0.0000
10	17.31	34.167	5.56							10	17.31	34.167	5.56	24.82	313	313	0.0317
20	16.39	34.152	5.56							20	16.39	34.152	5.56	25.02	294	294	0.0627
30	14.71	34.109	5.87							30	14.71	34.109	5.87	25.36	261	262	0.0900
50	13.09	34.100	5.88							50	13.09	34.100	5.88	25.69	230	231	0.1394
75	10.86	34.097	5.87							75	10.86	34.097	5.87	26.11	190	192	0.1924
97	10.08	34.088	5.97							100	10.05	34.090	5.97	26.25	177	179	0.2388
131	9.78	34.113	6.07							125	9.83	34.108	6.05	26.30	172	175	0.2833
155	8.71	34.062	5.98							150	8.93	34.072	5.99	26.42	161	164	0.3254
203	4.95	33.922	5.97							200	5.18	33.930	5.97	26.82	123	125	0.3975
251	2.73	33.859	6.27							250	2.77	33.860	6.26	27.01	105	106	0.4550
298	1.75	33.863	6.17							300	1.73	33.862	6.16	27.10	097	097	0.5068
395	0.96	33.861	5.97							400	0.94	33.860	5.97	27.15	092	092	0.6017
489	0.65	33.853	5.97														

KOREA .GANGWON 854 , STATION 105-11 , 37-33.2. N, 131-14.6. E, JUN.10.1983, 06:00 KST, DEPTH 2375 , COLOR , TRANS. ,

WAVE NE 3, SWELL NE 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 18.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.88	34.199	5.46							0	17.88	34.199	5.46	24.70	324	324	0.0000
10	17.77	34.203	5.46							10	17.77	34.203	5.46	24.73	321	321	0.0323

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	16.36	34.203	5.46							20	16.36	34.203	5.46	25.07	290	290	0.0629
30	14.67	34.197	5.56							30	14.67	34.197	5.56	25.44	254	255	0.0902
50	13.07	34.175	5.56							50	13.07	34.175	5.56	25.75	224	225	0.1383
75	11.52	34.104	5.77							75	11.52	34.104	5.77	26.00	201	202	0.1919
99	10.62	34.136	6.08							100	10.58	34.133	6.07	26.19	183	185	0.2404
128	9.61	34.069	6.07							125	9.71	34.075	6.07	26.29	173	175	0.2855
153	8.81	34.048	5.97							150	8.90	34.050	5.98	26.41	162	165	0.3281
202	5.66	33.922	5.97							200	5.78	33.927	5.97	26.75	130	132	0.4026
250	2.80	33.847	6.38							250	2.80	33.847	6.38	27.00	106	107	0.4626
297	1.66	33.841	6.38							300	1.63	33.841	6.38	27.09	098	098	0.5141
395	0.72	33.854	6.38							400	0.70	33.853	6.36	27.16	091	091	0.6090
491	0.48	33.845	6.07														

7月(July)

KOREA .GYUNGBUG 853 . STATION 105-03 . 37-33.2. N. 129-10.3. E, JUL.18.1983, 14:30 KST. DEPTH 48 , COLOR 4, TRANS. 10.0,
WAVE . SWELL . WIND SE 2. BARO 1008. , AIR TEMP. DRY 27.3, WET , CLOUD. TYPE CI, AMT 02, WEATHER B .

0	18.12	33.449	*****							0	18.12	33.449	*****	24.07	384	384	0.0000
10	14.59	33.571	*****							10	14.59	33.571	*****	24.97	298	298	0.0341
20	7.96	33.658	*****							20	7.96	33.658	*****	26.24	178	178	0.0580
30	6.52	33.676	*****							30	6.52	33.676	*****	26.46	157	158	0.0748
46	4.59	33.715	*****														

KOREA .GYUNGBUG 853 . STATION 105-04 . 37-33.2. N, 129-15.5. E, JUL.18.1983, 13:30 KST, DEPTH 250 , COLOR 3. TRANS. 11.0.
WAVE . SWELL . WIND SE 2. BARO 1009. , AIR TEMP. DRY 27.0, WET , CLOUD. TYPE CI, AMT 02. WEATHER B .

0	17.28	33.310	*****							0	17.28	33.310	*****	24.17	375	375	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	10.59	33.530	*****							10	10.59	33.530	*****	25.72	228	227	0.0301
20	6.00	33.835	*****							20	6.00	33.835	*****	26.65	139	139	0.0485
30	5.09	34.006	*****							30	5.09	34.006	*****	26.89	116	116	0.0613
50	3.00	34.004	*****							50	3.00	34.004	*****	27.11	096	096	0.0826
70	2.53	34.055	*****							75	2.46	34.054	*****	27.19	088	088	0.1057
121	1.90	34.053	*****							100	2.15	34.053	*****	27.22	085	085	0.1274
143	1.50	34.055	*****							125	1.82	34.053	*****	27.24	083	083	0.1486
153	1.21	34.060	*****							150	1.29	34.058	*****	27.29	079	079	0.1689
180	1.02	34.075	*****							200	1.02	34.078	*****	27.32	076	076	0.2078
229	1.02	34.083	*****														

KOREA .GYUNGBUG 853 . STATION 105-05 , 37-33.2. N, 129-22.6. E. JUL.18.1983. 12:20 KST, DEPTH 380 . COLOR 3. TRANS. 11.0,

WAVE . SWELL . WIND SE 2. BARO 1009.5, AIR TEMP. DRY 26.7, WET . CLOUD. TYPE CI, AMT 02, WEATHER B .

0	18.05	33.299	*****							0	18.05	33.299	*****	23.97	394	393	0.0000
10	11.66	33.544	*****							10	11.66	33.544	*****	25.54	245	245	0.0319
20	7.80	34.014	*****							20	7.80	34.014	*****	26.55	149	149	0.0517
30	4.32	34.066	*****							30	4.32	34.066	*****	27.03	103	103	0.0643
50	2.63	34.018	*****							50	2.63	34.018	*****	27.15	092	092	0.0839
58	1.92	34.005	*****							75	1.85	34.005	*****	27.20	087	087	0.1063
118	1.70	34.005	*****							100	1.76	34.005	*****	27.21	086	086	0.1281
119	1.56	34.075	*****							125	1.47	34.077	*****	27.29	079	079	0.1488
137	1.30	34.083	*****							150	1.22	34.083	*****	27.31	077	077	0.1683
187	1.01	34.083	*****							200	0.95	34.088	*****	27.33	075	074	0.2063
223	0.87	34.097	*****							250	0.80	34.091	*****	27.34	073	073	0.2435
265	0.72	34.084	*****							300	0.70	34.086	*****	27.35	073	073	0.2803
378	0.63	34.101	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 105-06 , 37-33.2. N, 129-41.3. E, JUL.18.1983, 10:15 KST, DEPTH 810 , COLOR 3, TRANS. 15.0,																	
WAVE . SWELL , WIND W 2, BARO 1010. , AIR TEMP. DRY 31.0, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	20.18	33.832	*****							0	20.18	33.832	*****	23.84	407	406	0.0000
10	19.34	33.827	*****							10	19.34	33.827	*****	24.05	386	386	0.0396
20	10.63	34.029	*****							20	10.63	34.029	*****	26.10	191	191	0.0685
30	6.67	34.165	*****							30	6.67	34.165	*****	26.82	123	123	0.0843
50	4.42	34.124	*****							50	4.42	34.124	*****	27.06	100	100	0.1067
72	2.80	34.085	*****							75	3.45	34.100	*****	27.14	092	093	0.1310
94	1.99	34.069	*****							100	1.83	34.069	*****	27.26	082	082	0.1529
106	1.67	34.069	*****							125	1.52	34.072	*****	27.28	079	079	0.1732
153	1.30	34.077	*****							150	1.32	34.076	*****	27.30	078	078	0.1929
176	1.13	34.077	*****							200	0.97	34.075	*****	27.32	076	076	0.2315
251	0.65	34.073	*****							250	0.65	34.073	*****	27.34	074	074	0.2691
297	0.49	34.073	*****							300	0.48	34.073	*****	27.35	073	073	0.3059
401	0.35	34.075	*****							400	0.35	34.074	*****	27.36	072	072	0.3785
509	0.29	34.073	*****							500	0.29	34.073	*****	27.36	072	071	0.4505
KOREA .GYUNGBUG 853 . STATION 105-07 , 37-33.2. N, 130-00.0. E, JUL.18.1983, 08:10 KST, DEPTH 1480 , COLOR 3, TRANS. 17.0,																	
WAVE . SWELL , WIND NW 3, BARO 1010. , AIR TEMP. DRY 28.5, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	19.87	33.628	*****							0	19.87	33.628	*****	23.77	414	413	0.0000
10	17.35	33.892	*****							10	17.35	33.892	*****	24.60	334	334	0.0374
20	10.17	34.195	*****							20	10.17	34.195	*****	26.31	171	172	0.0627
30	6.87	34.163	*****							30	6.87	34.163	*****	26.79	126	126	0.0777
50	3.95	34.122	*****							50	3.95	34.122	*****	27.11	096	096	0.0999
78	2.28	34.063	*****							75	2.45	34.069	*****	27.21	086	086	0.1228

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	1.62	34.069	*****							100	1.62	34.069	*****	27.27	080	080	0.1437
120	1.58	34.073	*****							125	1.53	34.075	*****	27.28	079	079	0.1636
150	1.33	34.085	*****							150	1.33	34.085	*****	27.31	077	077	0.1835
181	1.07	34.081	*****							200	0.95	34.081	*****	27.33	075	075	0.2217
250	0.65	34.081	*****							250	0.65	34.081	*****	27.35	073	073	0.2590
290	0.55	34.076	*****							300	0.53	34.076	*****	27.35	073	073	0.2957
379	0.40	34.081	*****							400	0.37	34.081	*****	27.36	072	071	0.3682
465	0.28	34.081	*****														

KOREA .GYUNGBUG 853 . STATION 105-08 . 37-33.2. N. 130-18.7. E. JUL.18.1983, 06:05 KST, DEPTH 1503 , COLOR 3. TRANS. 17.0,
WAVE , SWELL , WIND SE 1, BARO 1006. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	18.93	33.560	*****							0	18.93	33.560	*****	23.96	396	395	0.0000
10	17.39	33.587	*****							10	17.39	33.587	*****	24.35	358	358	0.0376
20	13.75	33.755	*****							20	13.75	33.755	*****	25.29	268	268	0.0690
30	11.45	33.872	*****							30	11.45	33.872	*****	25.83	217	217	0.0933
50	7.25	34.003	*****							50	7.25	34.003	*****	26.62	142	143	0.1295
78	6.42	34.172	*****							75	6.50	34.153	*****	26.84	122	122	0.1627
104	4.09	34.129	*****							100	4.44	34.135	*****	27.07	099	100	0.1907
125	2.95	34.033	*****							125	2.95	34.033	*****	27.14	093	094	0.2150
152	2.11	34.023	*****							150	2.17	34.023	*****	27.19	088	088	0.2379
178	1.78	34.067	*****							200	1.49	34.070	*****	27.28	079	079	0.2800
233	1.07	34.076	*****							250	1.01	34.074	*****	27.32	076	076	0.3191
275	0.93	34.072	*****							300	0.81	34.071	*****	27.33	075	075	0.3570
369	0.50	34.071	*****							400	0.46	34.074	*****	27.35	073	072	0.4311
471	0.39	34.083	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 105-09 . 37-33.2. N, 130-37.5. E, JUL.18.1983, 04:00 KST, DEPTH 1140 , COLOR , TRANS. ,																	
WAVE , SWELL , WIND SE 1, BARO 1008. , AIR TEMP. DRY 19.6, WET , CLOUD. TYPE , AMT , WEATHER B .																	
0	20.50	33.174	*****							0	20.50	33.174	*****	23.26	462	462	0.0000
10	20.55	33.866	*****							10	20.55	33.866	*****	23.77	413	413	0.0438
20	16.52	34.361	*****							20	16.52	34.361	*****	25.15	282	282	0.0786
30	13.94	34.395	*****							30	13.94	34.395	*****	25.75	225	226	0.1040
50	11.53	34.316	*****							50	11.53	34.316	*****	26.16	186	186	0.1453
75	10.20	34.318	*****							75	10.20	34.318	*****	26.40	163	164	0.1893
112	9.91	34.304	*****							100	10.00	34.308	*****	26.43	160	162	0.2302
139	9.76	34.296	*****							125	9.83	34.300	*****	26.45	158	161	0.2707
185	7.05	34.213	*****							150	9.11	34.276	*****	26.55	149	151	0.3098
213	3.86	34.072	*****							200	5.34	34.137	*****	26.97	109	111	0.3756
261	2.04	34.045	*****							250	2.45	34.051	*****	27.19	088	089	0.4258
297	1.50	34.042	*****							300	1.47	34.043	*****	27.26	081	082	0.4686
391	0.81	34.079	*****							400	0.77	34.078	*****	27.34	074	074	0.5470
444	0.59	34.076	*****														
KOREA .GYUNGBUG 853 . STATION 105-10 . 37-33.2. N. 130-55.9. E. JUL.14.1983, 05:00 KST. DEPTH 1850 , COLOR , TRANS. .																	
WAVE , SWELL , WIND SE 2, BARO 1011.5, AIR TEMP. DRY 20.4, WET , CLOUD. TYPE , AMT , WEATHER BC,																	
0	21.19	34.334	*****							0	21.19	34.334	*****	23.95	396	396	0.0000
10	19.20	34.351	*****							10	19.20	34.351	*****	24.49	345	345	0.0370
20	14.84	34.484	*****							20	14.84	34.484	*****	25.62	237	237	0.0661
30	13.46	34.442	*****							30	13.46	34.442	*****	25.88	213	213	0.0887
50	11.28	34.314	*****							50	11.28	34.314	*****	26.21	181	182	0.1283
72	10.42	34.307	*****							75	10.38	34.306	*****	26.36	167	168	0.1722

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
108	9.98	34.306	*****							100	10.07	34.306	*****	26.41	162	164	0.2138
125	9.78	34.304	*****							125	9.78	34.304	*****	26.46	157	159	0.2543
150	8.40	34.302	*****							150	8.40	34.302	*****	26.68	136	139	0.2917
200	6.88	34.252	*****							200	6.88	34.252	*****	26.86	119	122	0.3570
238	5.63	34.129	*****							250	5.00	34.116	*****	26.99	107	109	0.4150
289	2.96	34.075	*****							300	2.73	34.073	*****	27.19	088	090	0.4650
374	1.23	34.061	*****							400	1.08	34.066	*****	27.31	077	077	0.5489
459	0.74	34.078	*****														

KOREA ,GYUNGBUG 853 . STATION 105-11 . 37-33.2. N, 131-14.6. E, JUL.14.1983, 01:00 KST. DEPTH 2375 , COLOR . TRANS. ,
WAVE , SWELL , WIND SE 2, BARO 1013. , AIR TEMP. DRY 20.5, WET , CLOUD. TYPE , AMT , WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.27	34.300	*****							0	21.27	34.300	*****	23.90	400	400	0.0000
10	20.33	34.311	*****							10	20.33	34.311	*****	24.16	376	376	0.0388
20	15.63	34.379	*****							20	15.63	34.379	*****	25.37	261	261	0.0707
30	12.59	34.375	*****							30	12.59	34.375	*****	26.00	201	201	0.0938
50	10.93	34.311	*****							50	10.93	34.311	*****	26.27	176	176	0.1317
86	10.21	34.299	*****							75	10.43	34.302	*****	26.35	168	169	0.1750
100	9.90	34.314	*****							100	9.90	34.314	*****	26.45	158	160	0.2163
126	9.89	34.298	*****							125	9.89	34.298	*****	26.44	159	162	0.2566
141	9.82	34.313	*****							150	9.61	34.304	*****	26.49	154	157	0.2966
192	8.64	34.265	*****							200	7.84	34.232	*****	26.71	133	136	0.3702
228	5.04	34.120	*****							250	4.47	34.107	*****	27.04	102	104	0.4306
298	3.23	34.079	*****							300	3.18	34.078	*****	27.15	092	093	0.4802
400	1.14	34.059	*****							400	1.14	34.059	*****	27.30	078	078	0.5665
498	0.62	34.088	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8月(August)

KOREA .GYUNGBUG 853 , STATION 105-03 , 37-33.2. N, 129-10.3. E, AUG.12.1983, 12:30 KST, DEPTH 48 , COLOR 3, TRANS. 19.0,
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1014. , AIR TEMP. DRY 29.8, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	24.78	32.788	5.16							0	24.78	32.788	5.16	21.76	606	605	0.0000
10	24.07	32.869	*****							10	24.07	32.869	5.89	22.03	580	580	0.0593
20	12.81	33.443	6.62							20	12.81	33.443	6.62	25.24	273	273	0.1020
30	7.51	33.707	7.01							30	7.51	33.707	7.01	26.35	168	168	0.1241

KOREA .GYUNGBUG 853 , STATION 105-04 , 37-33.2. N, 129-15.5. E, AUG.12.1983, 11:40 KST, DEPTH 250 , COLOR 3, TRANS. 19.0,
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1014. , AIR TEMP. DRY 29.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	24.71	33.024	4.97							0	24.71	33.024	4.97	21.95	587	586	0.0000
10	20.13	33.580	5.45							10	20.13	33.580	5.45	23.66	424	424	0.0505
20	12.40	33.664	7.01							20	12.40	33.664	7.01	25.49	249	249	0.0842
30	6.98	33.756	6.82							30	6.98	33.756	6.82	26.46	157	157	0.1046
50	4.86	33.883	6.72							50	4.86	33.883	6.72	26.82	123	123	0.1327
75	3.67	33.947	6.92							75	3.67	33.947	6.92	27.00	106	106	0.1615
102	2.95	******	6.43							100	3.00	33.974	6.46	27.08	098	098	0.1872
127	2.19	34.023	6.53							125	2.25	34.019	6.52	27.18	089	089	0.2108
151	1.73	34.049	6.44							150	1.74	34.047	6.44	27.25	083	083	0.2323
199	1.07	34.021	5.94							200	1.06	34.021	5.94	27.27	080	080	0.2734
247	0.98	34.065	6.14														

KOREA .GYUNGBUG 853 , STATION 105-05 , 37-33.2. N, 129-22.6. E, AUG.12.1983, 10:35 KST, DEPTH 380 , COLOR 3, TRANS. 20.0,
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1014. , AIR TEMP. DRY 29.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	25.46	33.189	4.68							0	25.46	33.189	4.68	21.85	597	596	0.0000
10	19.96	33.484	5.36							10	19.96	33.484	5.36	23.63	426	426	0.0511

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	11.43	33.926	7.01							20	11.43	33.926	7.01	25.88	213	213	0.0831
30	7.57	33.943	7.11							30	7.57	33.943	7.11	26.52	151	151	0.1014
50	3.24	33.950	6.72							50	3.24	33.950	6.72	27.04	102	102	0.1268
75	2.93	34.004	6.43							75	2.93	34.004	6.43	27.11	095	095	0.1516
105	2.05	34.003	7.01							100	2.19	34.003	6.91	27.18	089	090	0.1748
124	1.50	34.003	6.53							125	1.49	34.003	6.52	27.23	084	084	0.1967
152	1.31	34.005	6.43							150	1.32	34.004	6.43	27.24	083	083	0.2178
200	1.09	34.039	6.14							200	1.09	34.039	6.14	27.28	079	079	0.2586
248	0.88	34.055	6.04							250	0.87	34.055	6.03	27.31	077	076	0.2977
295	0.73	34.066	5.94														

KOREA .GYUNGBUG 853 . STATION 105-06 . 37-33.2. N. 129-41.3. E. AUG.12.1983. 08:30 KST. DEPTH 810 . COLOR 3. TRANS. 20.0.
WAVE SE 2. SWELL SE 1. WIND SE 2. BARO 1014. , AIR TEMP. DRY 26.5. WET . CLOUD. TYPE CU. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	25.81	33.282	4.68							0	25.81	33.282	4.68	21.82	600	600	0.0000
10	16.82	33.922	5.44							10	16.82	33.922	5.44	24.74	320	320	0.0460
20	12.71	34.281	5.77							20	12.71	34.281	5.77	25.91	210	210	0.0726
30	9.29	34.237	5.66							30	9.29	34.237	5.66	26.49	154	155	0.0908
50	5.90	34.146	5.55							50	5.90	34.146	5.55	26.91	115	115	0.1179
75	3.72	34.074	5.75							75	3.72	34.074	5.75	27.10	097	097	0.1446
100	2.72	34.061	5.94							100	2.72	34.061	5.94	27.18	089	089	0.1681
126	1.78	34.017	6.33							125	1.81	34.016	6.31	27.22	085	086	0.1900
155	1.28	34.000	6.23							150	1.36	34.002	6.24	27.24	084	084	0.2113
203	1.15	34.052	6.23							200	1.15	34.048	6.23	27.29	079	079	0.2521
250	1.02	34.052	5.94							250	1.02	34.052	5.94	27.30	078	078	0.2915
298	0.84	34.058	5.93							300	0.83	34.057	5.93	27.32	076	076	0.3302

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
395	0.58	34.037	5.94							400	0.56	34.036	5.94	27.31	076	076	0.4067
491	0.37	34.029	5.94														

KOREA .GYUNGBUG 853 , STATION 105-07 , 37-33.2. N, 130-00.0. E, AUG.12.1983, 06:20 KST, DEPTH 1480 , COLOR , TRANS.

WAVE SE 2. SWELL SE 1, WIND SE 2, BARO 1014. , AIR TEMP. DRY 25.3, WET , CLOUD. TYPE CU, AMT 05, WEATHER BC,

0	25.53	33.486	4.68							0	25.53	33.486	4.68	22.05	577	577	0.0000
10	20.69	34.027	5.45							10	20.69	34.027	5.45	23.83	405	405	0.0491
20	16.93	34.165	6.04							20	16.93	34.165	6.04	24.90	305	305	0.0847
30	15.04	34.376	5.65							30	15.04	34.376	5.65	25.50	249	249	0.1125
50	13.01	34.376	5.26							50	13.01	34.376	5.26	25.92	208	209	0.1584
75	10.30	34.294	5.45							75	10.30	34.294	5.45	26.36	166	168	0.2057
98	8.08	34.173	5.65							100	7.85	34.169	5.68	26.66	138	140	0.2442
131	4.35	34.107	6.15							125	5.02	34.119	6.05	26.99	107	108	0.2753
155	2.24	34.062	6.24							150	2.67	34.071	6.22	27.19	088	089	0.3000
203	1.35	34.040	6.33							200	1.40	34.041	6.32	27.26	081	081	0.3426
250	1.03	34.043	6.03							250	1.03	34.043	6.03	27.29	078	078	0.3827
298	0.89	34.056	6.03							300	0.88	34.056	6.02	27.31	077	076	0.4217
395	0.68	34.068	5.75							400	0.66	34.067	5.73	27.33	074	074	0.4976
491	0.47	34.064	5.55														

KOREA .GYUNGBUG 853 . STATION 105-08 . 37-33.2. N, 130-18.7. E, AUG.12.1983, 04:15 KST, DEPTH 1503 . COLOR . TRANS.

WAVE SE 2. SWELL SE 1. WIND SE 2. BARO 1014. , AIR TEMP. DRY 24.7, WET , CLOUD. TYPE CU, AMT 06, WEATHER BC.

0	25.53	33.772	4.73							0	25.53	33.772	4.73	22.27	557	556	0.0000
10	19.24	34.115	5.55							10	19.24	34.115	5.55	24.30	363	363	0.0459
20	15.71	34.169	5.56							20	15.71	34.169	5.56	25.19	278	278	0.0781
30	14.93	34.380	5.78							30	14.93	34.380	5.78	25.52	246	247	0.1044

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	14.18	34.445	5.75							50	14.18	34.445	5.75	25.73	226	227	0.1518
75	10.94	34.305	5.84							75	10.94	34.305	5.84	26.26	176	178	0.2026
98	8.68	34.171	5.94							100	8.43	34.159	5.95	26.56	147	149	0.2435
128	5.03	34.000	6.14							125	5.39	34.017	6.12	26.87	119	120	0.2772
153	3.30	34.070	6.23							150	3.50	34.061	6.21	27.11	096	097	0.3044
201	1.69	34.029	6.14							200	1.72	34.029	6.14	27.23	084	084	0.3499
249	1.19	34.041	6.03							250	1.18	34.041	6.02	27.28	080	080	0.3911
296	1.09	34.044	5.94							300	1.07	34.044	5.94	27.29	079	079	0.4309
393	0.72	34.055	5.94							400	0.70	34.055	5.94	27.32	076	075	0.5085
490	0.52	34.055	5.94														

KOREA ,GYUNGBUG 853 , STATION 105-09 , 37-33.2. N. 130-37.5. E, AUG.12.1983, 02:05 KST, DEPTH 1140 , , COLOR , TRANS. ,

WAVE NE 2, SWELL NE 1, WIND NE 2. BARO 1014.5, AIR TEMP. DRY 24.9, WET , CLOUD. TYPE , AMT , WEATHER ,

0	26.08	33.316	4.77							0	26.08	33.316	4.77	21.76	606	605	0.0000
10	22.23	33.959	5.45							10	22.23	33.959	5.45	23.38	450	450	0.0528
20	16.38	34.292	5.65							20	16.38	34.292	5.65	25.13	284	284	0.0896
30	15.43	34.462	5.47							30	15.43	34.462	5.47	25.48	251	251	0.1164
50	14.33	34.491	5.68							50	14.33	34.491	5.68	25.74	226	227	0.1643
75	11.36	34.309	5.55							75	11.36	34.309	5.55	26.19	183	185	0.2158
100	9.48	34.251	5.84							100	9.48	34.251	5.84	26.47	156	158	0.2588
130	7.78	34.192	5.75							125	8.06	34.201	5.76	26.65	139	141	0.2962
154	6.21	34.151	5.65							150	6.47	34.157	5.66	26.84	121	123	0.3293
203	2.20	34.019	5.84							200	2.44	34.027	5.82	27.17	089	090	0.3827
250	1.34	34.056	5.65							250	1.34	34.056	5.65	27.28	079	080	0.4254
298	1.03	34,076	5.65							300	1.02	34.075	5.64	27.32	076	076	0.4646

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
395	0.60	34.046	5.45							400	0.58	34.046	5.44	27.32	076	075	0.5407
491	0.39	34.049	5.36														

KOREA .GYUNGBUG 853 , STATION 105-10 , 37-33.2. N, 130-55.9. E, AUG.12.1983, 00:00 KST, DEPTH 1850 , COLOR , TRANS. ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1014.5, AIR TEMP. DRY 25.0, WET , CLOUD. TYPE , AMT , WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	26.37	33.538	4.68							0	26.37	33.538	4.68	21.83	596	598	0.0000
10	23.58	33.915	4.97							10	23.58	33.915	4.97	22.96	490	491	0.0544
20	18.19	34.362	5.23							20	18.19	34.362	5.23	24.75	320	320	0.0950
30	16.10	34.447	5.65							30	16.10	34.447	5.65	25.31	266	267	0.1244
50	14.57	34.490	5.56							50	14.57	34.490	5.56	25.69	231	232	0.1743
75	11.62	34.492	5.26							75	11.62	34.492	5.26	26.28	174	176	0.2254
99	9.59	34.259	5.65							100	9.56	34.255	5.67	26.46	157	159	0.2674
128	8.93	34.160	6.23							125	8.99	34.170	6.17	26.48	155	157	0.3070
153	6.13	34.094	6.03							150	6.46	34.101	6.05	26.80	125	127	0.3426
202	3.79	34.087	5.94							200	3.88	34.087	5.94	27.09	098	099	0.3993
250	1.93	34.054	5.94							250	1.93	34.054	5.94	27.24	084	084	0.4453
298	1.20	34.090	5.65							300	1.18	34.089	5.64	27.32	076	076	0.4856
395	0.64	34.073	5.35							400	0.63	34.072	5.35	27.34	074	074	0.5609
492	0.48	34.056	5.45														

KOREA .GYUNGBUG 853 , STATION 105-11 . 37-33.2. N, 131-14.6. E, AUG.11.1983, 21:50 KST, DEPTH 2375 , COLOR , TRANS. ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1014.5, AIR TEMP. DRY 25.3, WET , CLOUD. TYPE , AMT , WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	26.25	33.618	4.77							0	26.25	33.618	4.77	21.93	589	589	0.0000
10	25.09	33.674	4.87							10	25.09	33.674	4.87	22.33	551	551	0.0570
20	19.99	34.097	5.65							20	19.99	34.097	5.65	24.09	383	383	0.1037
30	16.96	34.305	5.84							30	16.96	34.305	5.84	25.00	296	296	0.1377

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	14.51	34.450	5.56							50	14.51	34.450	5.56	25.67	232	234	0.1908
75	11.89	34.325	5.65							75	11.89	34.325	5.65	26.10	191	193	0.2442
100	9.51	34.227	5.94							100	9.51	34.227	5.94	26.45	159	160	0.2885
130	8.10	34.220	5.65							125	8.33	34.221	5.69	26.63	141	143	0.3265
155	5.24	34.217	6.04							150	5.81	34.217	5.96	26.97	108	110	0.3583
203	2.76	34.190	6.04							200	2.91	34.191	6.04	27.27	081	082	0.4065
250	2.15	34.061	5.84							250	2.15	34.061	5.84	27.23	085	085	0.4486
297	1.33	34.050	5.75							300	1.30	34.050	5.74	27.28	080	080	0.4901
394	0.67	34.057	5.45							400	0.65	34.056	5.45	27.33	075	075	0.5681
490	0.44	34.054	5.45														

10月(October)

KOREA .GANGWON 854 . STATION 105-03 . 37-33.2. N, 129-10.3. E, OCT.19.1983. 18:10 KST, DEPTH 48 , COLOR , TRANS. ,

WAVE NW 2, SWELL NW 2, WIND NW 2, BARO 1010. , AIR TEMP. DRY 16.5, WET , CLOUD. TYPE ST, AMT 04, WEATHER BC,

0	19.19	32.176	5.59							0	19.19	32.176	5.59	22.84	502	502	0.0000
10	16.26	33.029	5.49							10	16.26	33.029	5.49	24.19	373	373	0.0438
20	12.52	33.303	4.80							20	12.52	33.303	4.80	25.19	278	278	0.0764
30	11.83	33.800	5.10							30	11.83	33.800	5.10	25.70	229	229	0.1018
46	8.89	34.155	5.39														

KOREA .GANGWON 854 . STATION 105-04 . 37-33.2. N, 129-15.5. E, OCT.19.1983. 18:50 KST, DEPTH 250 , COLOR , TRANS. ,

WAVE NW 3, SWELL NW 2, WIND NW 3, BARO 1010. , AIR TEMP. DRY 17.0, WET , CLOUD. TYPE ST, AMT 04, WEATHER BC,

0	19.91	32.086	5.39							0	19.91	32.086	5.39	22.58	526	526	0.0000
10	19.95	32.647	5.37							10	19.95	32.647	5.37	23.00	487	487	0.0506
20	14.92	33.173	5.10							20	14.92	33.173	5.10	24.60	334	335	0.0918

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	11.19	33.721	5.28							30	11.19	33.721	5.28	25.76	224	224	0.1197
50	8.25	34.256	5.29							50	8.25	34.256	5.29	26.67	137	138	0.1560
75	5.50	34.057	5.88							75	5.50	34.057	5.88	26.89	117	117	0.1881
102	3.81	34.014	6.37							100	3.93	34.017	6.33	27.03	103	104	0.2159
127	3.23	34.019	6.45							125	3.27	34.018	6.44	27.09	097	098	0.2412
151	1.49	34.004	6.67							150	1.56	34.004	6.66	27.22	085	085	0.2641
200	1.06	34.015	6.27							200	1.06	34.015	6.27	27.27	081	081	0.3057
248	0.84	34.016	6.67														

KOREA .GANGWON 854 . STATION 105-05 . 37-33.2. N. 129-22.6. E. OCT.19.1983. 20:10 KST. DEPTH 380 , COLOR , TRANS. .
WAVE NW 3. SWELL NW 2. WIND NW 3. BARO 1010. , AIR TEMP. DRY 17.0, WET , CLOUD. TYPE AS, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.90	32.083	5.78							0	19.90	32.083	5.78	22.58	526	526	0.0000
10	19.98	32.559	5.45							10	19.98	32.559	5.45	22.93	494	494	0.0510
20	20.12	33.152	5.39							20	20.12	33.152	5.39	23.34	454	455	0.0985
30	14.52	33.840	5.21							30	14.52	33.840	5.21	25.20	277	278	0.1352
50	10.16	34.240	5.88							50	10.16	34.240	5.88	26.35	168	169	0.1799
75	5.00	34.114	6.18							75	5.00	34.114	6.18	26.99	107	107	0.2146
103	2.80	34.040	6.37							100	3.03	34.047	6.34	27.14	093	093	0.2398
127	1.63	34.035	6.37							125	1.72	34.035	6.37	27.24	084	084	0.2620
152	1.24	34.039	6.27							150	1.27	34.038	6.27	27.27	080	080	0.2826
200	0.97	34.039	6.56							200	0.97	34.039	6.56	27.29	078	078	0.3224
248	0.80	34.050	6.57							250	0.79	34.049	6.56	27.31	077	076	0.3614
295	0.65	34.027	6.37														

KOREA .GANGWON 854 . STATION 105-06 , 37-33.2. N, 129-41.3. E, OCT.19.1983, 22:30 KST, DEPTH 810 , COLOR , TRANS. .
WAVE NW 4. SWELL NW 2. WIND NW 4. BARO 1009. , AIR TEMP. DRY 17.5, WET , CLOUD. TYPE AS, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	20.62	32.317	5.39							0	20.62	32.317	5.39	22.57	527	527	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	20.65	32.534	5.29							10	20.65	32.534	5.29	22.73	512	512	0.0520
20	20.61	33.328	5.59							20	20.61	33.328	5.59	23.34	454	454	0.1004
30	20.30	33.401	5.20							30	20.30	33.401	5.20	23.48	441	441	0.1452
50	16.05	34.173	4.90							50	16.05	34.173	4.90	25.11	285	286	0.2181
75	12.97	34.379	5.20							75	12.97	34.379	5.20	25.93	207	209	0.2801
100	8.74	34.149	5.49							100	8.74	34.149	5.49	26.51	153	154	0.3256
125	4.03	34.082	6.08							125	4.03	34.082	6.08	27.07	099	100	0.3575
150	2.69	34.051	6.27							150	2.69	34.051	6.27	27.17	090	090	0.3814
200	1.45	34.037	6.66							200	1.45	34.037	6.66	27.26	082	082	0.4246
250	1.09	34.043	6.76							250	1.09	34.043	6.76	27.29	079	079	0.4650
300	0.86	34.043	6.57							300	0.86	34.043	6.57	27.30	077	077	0.5043
400	0.64	34.053	6.37							400	0.64	34.053	6.37	27.32	075	075	0.5810
500	0.51	34.054	6.67							500	0.51	34.054	6.67	27.33	075	074	0.6562
KOREA .GANGWON 854 , STATION 105-07 . 37-33.2. N. 130-00.0. E, OCT.12.1983, 14:25 KST, DEPTH 1480 , COLOR 3, TRANS. 17.0.																	
WAVE SE 5, SWELL SE 3, WIND SE 5, BARO 1013. , AIR TEMP. DRY 17.0, WET , CLOUD. TYPE ST, AMT 07, WEATHER BC.																	
0	21.60	32.390	5.10							0	21.60	32.390	5.10	22.37	547	547	0.0000
10	21.55	32.659	5.10							10	21.55	32.659	5.10	22.58	527	527	0.0537
20	21.52	33.343	5.00							20	21.52	33.343	5.00	23.11	476	477	0.1039
30	21.48	33.392	5.00							30	21.48	33.392	5.00	23.16	472	472	0.1514
50	16.16	******	5.37							50	16.16	33.819	5.37	24.82	313	314	0.2302
75	13.51	34.354	4.81							75	13.51	34.354	4.81	25.80	220	221	0.2972
97	8.80	34.057	5.78							100	8.37	34.047	5.80	26.49	155	156	0.3445
137	3.12	33.925	6.17							125	4.82	33.964	6.05	26.89	116	117	0.3789
160	2.14	33.964	6.37							150	2.56	33.947	6.28	27.10	097	097	0.4058

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
208	1.65	34.045	6.08							200	1.73	34.031	6.12	27.23	084	084	0.4513
254	1.29	34.062	6.18							250	1.32	34.060	6.17	27.29	079	079	0.4924
299	1.02	34.048	6.57							300	1.01	34.048	6.56	27.30	076	078	0.5319
395	0.71	34.075	5.69							400	0.70	34.075	5.69	27.34	074	074	0.6083
490	0.68	34.075	5.78														

KOREA .GANGWON 854 . STATION 105-08 . 37-33.2. N. 130-18.7. E. OCT.12.1983. 12:00 KST. DEPTH 1503 . COLOR 3. TRANS. 17.0.
WAVE SE 5. SWELL SE 3. WIND SE 5. BARO 1013. . AIR TEMP. DRY 16.8. WET . CLOUD. TYPE ST, AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.55	32.409	5.39							0	21.55	32.409	5.39	22.39	545	544	0.0000
10	21.53	32.780	5.20							10	21.53	32.780	5.20	22.68	517	517	0.0531
20	21.53	33.348	5.18							20	21.53	33.348	5.18	23.11	476	476	0.1028
30	21.45	33.515	4.90							30	21.45	33.515	4.90	23.26	462	463	0.1498
50	15.71	34.025	4.91							50	15.71	34.025	4.91	25.08	289	290	0.2252
75	13.77	34.390	5.67							75	13.77	34.390	5.67	25.78	222	224	0.2895
96	9.03	******	5.57							100	8.47	34.202	5.65	26.59	145	146	0.3358
135	3.62	33.940	6.36							125	5.00	34.014	6.15	26.91	114	116	0.3687
158	2.07	33.988	6.37							150	2.60	33.971	6.36	27.12	095	095	0.3952
204	1.77	34.052	6.17							200	1.79	34.046	6.18	27.24	083	084	0.4402
251	1.26	34.078	5.98							250	1.29	34.077	5.98	27.30	077	078	0.4807
296	1.19	34.031	6.17							300	1.17	34.032	6.17	27.27	080	080	0.5204
390	0.77	34.057	6.27							400	0.76	34.058	6.21	27.32	076	076	0.5988
482	0.69	34.069	5.78														

KOREA .GANGWON 854 . STATION 105-09 . 37-33.2. N, 130-37.5. E, OCT.12.1983, 09:45 KST, DEPTH 1140 , COLOR 3, TRANS. 16.5,
WAVE SE 4, SWELL SE 2. WIND SE 4. BARO 1017. . AIR TEMP. DRY 17.0, WET , CLOUD. TYPE ST. AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.38	32.432	5.00							0	21.38	32.432	5.00	22.46	539	538	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	21.38	32.810	5.10							10	21.38	32.810	5.10	22.74	511	511	0.0525
20	21.36	33.382	5.00							20	21.36	33.382	5.00	23.18	469	470	0.1016
30	21.34	33.393	5.20							30	21.34	33.393	5.20	23.20	468	469	0.1485
50	19.83	34.000	4.91							50	19.83	34.000	4.91	24.06	386	387	0.2342
75	15.93	34.310	5.01							75	15.93	34.310	5.01	25.25	272	274	0.3169
95	11.87	34.293	5.39							100	11.72	34.277	5.41	26.09	192	194	0.3756
140	10.56	******	5.59							125	10.99	34.200	5.52	26.17	185	187	0.4234
163	7.10	34.100	5.98							150	9.05	34.130	5.75	26.44	159	161	0.4671
209	2.54	34.134	6.17							200	3.43	34.127	6.13	27.17	090	091	0.5305
255	1.92	34.038	6.18							250	1.98	34.048	6.17	27.23	084	085	0.5749
301	1.42	34.082	6.18							300	1.43	34.081	6.18	27.29	078	078	0.6160
393	0.95	34.064	5.88							400	0.93	34.065	5.91	27.31	076	076	0.6939
480	0.82	34.078	6.28														

KOREA .GANGWON 854 . STATION 105-10 . 37-33.2. N. 130-55.9. E. OCT.12.1983. 07:20 KST. DEPTH 1800 . COLOR . TRANS. ,

WAVE SE 3. SWELL SE 2, WIND SE 3. BARO 1017. . AIR TEMP. DRY 15.7. WET . CLOUD. TYPE ST. AMT 02, WEATHER B ,

0	20.47	32.814	4.90							0	20.47	32.814	4.90	22.99	488	487	0.0000
10	20.47	32.880	5.00							10	20.47	32.880	5.00	23.04	483	483	0.0485
20	20.34	33.034	5.29							20	20.34	33.034	5.29	23.19	468	469	0.0961
30	18.26	33.689	5.21							30	18.26	33.689	5.21	24.22	370	371	0.1382
50	16.14	34.401	5.11							50	16.14	34.401	5.11	25.27	270	272	0.2025
75	12.81	34.354	5.29							75	12.81	34.354	5.29	25.94	206	208	0.2625
96	11.96	34.328	5.21							100	11.76	34.324	5.21	26.12	189	191	0.3125
133	10.12	34.294	5.29							125	10.51	34.301	5.27	26.33	169	172	0.3580
156	7.03	34.181	5.89							150	7.83	34.210	5.73	26.69	135	137	0.3968

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
203	5.67	34.153	5.69							200	5.75	34.154	5.70	26.93	112	115	0.4600
250	3.25	34.029	5.49							250	3.25	34.029	5.49	27.10	096	097	0.5133
296	1.97	34.052	5.98							300	1.92	34.051	5.95	27.24	084	084	0.5590
392	0.86	34.050	5.49							400	0.82	34.053	5.49	27.31	076	076	0.6399
484	0.46	34.085	5.59														

KOREA .GANGWON 854 . STATION 105-11 , 37-33.2. N. 131-14.6. E, OCT.11.1983. 02:25 KST. DEPTH 2375 . COLOR , TRANS.

WAVE NW 3, SWELL NW 2, WIND NW 3, BARO 1011. , AIR TEMP. DRY 19.5, WET , CLOUD. TYPE , AMT 03, WEATHER BC,

0	20.40	33.128	5.20							0	20.40	33.128	5.20	23.25	463	463	0.0000
10	20.39	33.103	5.20							10	20.39	33.103	5.20	23.23	465	465	0.0464
20	20.22	33.495	5.20							20	20.22	33.495	5.20	23.57	432	432	0.0913
30	19.61	33.552	5.39							30	19.61	33.552	5.39	23.78	413	413	0.1336
50	16.27	34.386	5.10							50	16.27	34.386	5.10	25.23	274	275	0.2026
75	13.78	34.353	5.30							75	13.78	34.353	5.30	25.75	225	227	0.2655
96	11.00	34.288	5.59							100	10.93	34.289	5.65	26.25	177	179	0.3163
133	10.43	34.298	6.17							125	10.55	34.295	6.04	26.32	170	173	0.3604
157	8.54	34.216	6.27							150	9.09	34.239	6.24	26.52	151	154	0.4014
205	4.71	34.080	6.08							200	5.10	34.094	6.09	26.96	110	112	0.4679
252	2.63	34.060	5.98							250	2.71	34.060	5.98	27.18	089	090	0.5186
297	1.64	34.064	5.78							300	1.61	34.064	5.77	27.27	081	081	0.5617
393	0.97	34.066	5.69							400	0.94	34.066	5.69	27.32	076	076	0.6409
486	0.69	34.069	5.78														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12月(December)

KOREA .GANGWON 854 . STATION 105-03 . 37-33.2. N. 129-10.3. E. DEC. 6.1983. 13:50 KST. DEPTH 48 . COLOR 3. TRANS. 18.0,
WAVE E 2, SWELL E 1, WIND E 2, BARO 1017. , AIR TEMP. DRY 9.3, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

0	14.97	33.840	5.57							0	14.97	33.840	5.57	25.10	287	286	0.0000
10	14.84	33.826	5.47							10	14.84	33.826	5.47	25.12	285	285	0.0286
20	14.77	33.832	5.47							20	14.77	33.832	5.47	25.14	283	283	0.0570
30	14.70	33.855	5.37							30	14.70	33.855	5.37	25.17	280	280	0.0852

KOREA .GANGWON 854 . STATION 105-04 . 37-33.2. N. 129-15.5. E. DEC. 6.1983. 14:30 KST. DEPTH 250 . COLOR 3. TRANS. 18.0,
WAVE E 2, SWELL E 1, WIND E 2, BARO 1017. , AIR TEMP. DRY 9.9, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,

0	14.88	33.836	5.57							0	14.88	33.836	5.57	25.12	285	285	0.0000
10	14.92	33.842	5.47							10	14.92	33.842	5.47	25.11	285	285	0.0285
20	14.85	******	5.57							20	14.85	33.846	5.57	25.13	284	284	0.0570
30	14.82	33.850	5.57							30	14.82	33.850	5.57	25.14	283	283	0.0854
50	14.19	33.916	5.37							50	14.19	33.916	5.37	25.32	265	266	0.1404
75	13.22	34.134	5.37							75	13.22	34.134	5.37	25.69	230	232	0.2028
101	7.46	34.050	5.58							100	7.68	34.053	5.57	26.59	145	146	0.2501
126	3.63	33.918	5.97							125	3.78	33.923	5.95	26.97	109	110	0.2822
150	1.92	33.885	5.87							150	1.92	33.885	5.87	27.10	096	096	0.3081
199	1.04	33.885	*****														

KOREA .GANGWON 854 . STATION 105-05 . 37-33.2. N. 129-22.6. E. DEC. 6.1983. 15:35 KST. DEPTH 380 . COLOR 3. TRANS. 19.0.
WAVE E 2. SWELL E 1, WIND E 2, BARO 1017. , AIR TEMP. DRY 9.8, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

0	14.29	33.883	5.57							0	14.29	33.883	5.57	25.28	270	269	0.0000
10	14.27	33.883	5.37							10	14.27	33.883	5.37	25.28	269	269	0.0269

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	14.23	33.915	5.27							20	14.23	33.915	5.27	25.32	266	266	0.0537
30	14.22	33.980	5.57							30	14.22	33.980	5.57	25.37	261	261	0.0802
50	13.17	34.082	5.38							50	13.17	34.082	5.38	25.66	233	234	0.1278
75	6.34	34.017	5.47							75	6.34	34.017	5.47	26.75	130	130	0.1755
102	5.72	33.925	*****							100	5.76	33.931	5.75	26.76	129	130	0.2082
126	2.59	33.918	5.97							125	2.72	33.916	5.96	27.06	100	100	0.2371
151	1.64	33.910	5.77							150	1.63	33.910	5.77	27.14	092	093	0.2613
199	1.16	33.920	5.97							200	1.15	33.919	5.96	27.18	089	089	0.3069
248	0.98	33.906	5.87							250	0.97	33.905	5.87	27.18	089	088	0.3513
[illegible]	[illegible]	33.887	5.87														

KOREA .GANGWON 854 . STATION 105-06 . 37-33.2. N. 129-41.3. E. DEC. 6.1983. 17:50 KST. DEPTH 810 . COLOR . TRANS. .

WAVE E 2. SWELL E 1. WIND E 2. BARO 1017. . AIR TEMP. DRY 9.7. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.24	33.816	5.47							0	16.24	33.816	5.47	24.80	315	315	0.0000
10	16.14	33.820	5.27							10	16.14	33.820	5.27	24.82	313	313	0.0314
20	16.03	33.820	5.27							20	16.03	33.820	5.27	24.85	310	311	0.0626
30	15.95	33.761	5.17							30	15.95	33.761	5.17	24.82	313	314	0.0939
50	14.72	33.824	5.47							50	14.72	33.824	5.47	25.14	283	284	0.1537
75	13.27	33.934	5.48							75	13.27	33.934	5.48	25.53	246	247	0.2202
99	6.30	34.033	5.28							100	6.17	34.032	5.30	26.78	127	128	0.2672
125	3.09	34.007	5.87							125	3.09	34.007	5.87	27.10	096	097	0.2954
151	2.50	34.032	5.67							150	2.52	34.031	5.67	27.17	090	090	0.3189
200	2.13	33.932	5.77							200	2.13	33.932	5.77	27.12	094	095	0.3654
249	1.03	33.903	6.07							250	1.02	33.902	6.06	27.16	089	089	0.4116
298	0.73	33.890	5.97							300	0.72	33.890	5.97	27.19	088	088	0.4561

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
396	0.54	33.892	5.97							400	0.53	33.892	5.97	27.20	087	087	0.5439
493	0.41	33.908	5.97														

KOREA .GANGWON 854 . STATION 105-07 . 37-33.2. N, 130-00.0. E, DEC. 6.1983. 20:10 KST, DEPTH 1480 , COLOR , TRANS. ,

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1018. . AIR TEMP. DRY 10.5, WET . CLOUD. TYPE , AMT , WEATHER BC,

0	16.14	33.820	5.47							0	16.14	33.820	5.47	24.82	313	312	0.0000
10	16.15	33.815	5.37							10	16.15	33.815	5.37	24.82	313	313	0.0313
20	16.10	33.788	5.27							20	16.10	33.788	5.27	24.81	314	315	0.0627
30	15.96	33.807	5.37							30	15.96	33.807	5.37	24.85	310	310	0.0940
50	15.90	33.786	5.27							50	15.90	33.786	5.27	24.85	310	311	0.1563
75	15.63	33.783	5.37							75	15.63	33.783	5.37	24.91	305	306	0.2336
99	15.33	34.128	5.38							100	14.98	34.123	5.38	25.31	266	268	0.3056
129	4.88	33.987	5.47							125	6.27	34.005	5.45	26.75	130	131	0.3556
154	2.53	33.979	5.57							150	2.90	33.980	5.55	27.10	097	097	0.3843
203	2.51	33.928	5.77							200	2.51	33.931	5.75	27.09	097	098	0.4334
251	1.93	33.911	5.87							250	1.94	33.911	5.86	27.12	094	095	0.4819
299	1.12	33.931	5.67							300	1.11	33.930	5.67	27.20	087	086	0.5278
396	0.63	33.924	5.97							400	0.62	33.923	5.95	27.22	085	085	0.6145
493	0.58	33.905	5.57														

KOREA .GANGWON 854 . STATION 105-08 , 37-33.2. N, 130-18.7. E, DEC. 6.1983, 22:35 KST, DEPTH 1503 , COLOR , TRANS. ,

WAVE SW 2. SWELL SW 1. WIND SW 2, BARO 1018. , AIR TEMP. DRY 11.5, WET , CLOUD. TYPE , AMT , WEATHER R ,

0	16.62	33.869	5.37							0	16.62	33.869	5.37	24.75	320	319	0.0000
10	16.63	33.854	5.17							10	16.63	33.854	5.17	24.74	321	321	0.0320
20	16.57	33.834	5.17							20	16.57	33.834	5.17	24.74	321	321	0.0642
30	16.54	33.817	5.07							30	16.54	33.817	5.07	24.73	322	322	0.0964

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	16.45	33.852	5.27							50	16.45	33.852	5.27	24.78	317	316	0.1606
75	16.43	33.813	5.27							75	16.43	33.813	5.27	24.75	320	321	0.2407
96	16.25	34.113	5.28							100	15.56	34.112	5.27	25.18	279	282	0.3162
130	10.44	34.109	5.27							125	11.29	34.109	5.27	26.04	197	199	0.3764
154	8.48	34.064	5.66							150	8.80	34.071	5.61	26.44	159	162	0.4217
202	2.31	33.881	5.77							200	2.56	33.888	5.76	27.05	101	102	0.4878
249	1.40	33.881	5.97							250	1.39	33.880	5.96	27.14	093	093	0.5367
296	0.94	33.877	5.87							300	0.92	33.877	5.86	27.16	090	090	0.5829
393	0.64	33.888	5.67							400	0.63	33.887	5.67	27.19	088	088	0.6723
488	0.51	33.881	5.67														

KOREA .GANGWON 854 . STATION 105-09 . 37-33.2. N. 130-37.5. E. DEC. 7.1983. 01:00 KST. DEPTH 1140 . COLOR . TRANS. .
WAVE NW 4. SWELL NW 2. WIND NW 4. BARO 1017. . AIR TEMP. DRY 9.6. WET . CLOUD. TYPE . AMT . WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.63	33.741	5.47							0	16.63	33.741	5.47	24.65	329	329	0.0000
10	16.56	33.711	5.17							10	16.56	33.711	5.17	24.64	330	330	0.0329
20	16.54	33.735	5.17							20	16.54	33.735	5.17	24.67	328	328	0.0659
30	16.47	33.725	5.27							30	16.47	33.725	5.27	24.68	327	327	0.0987
50	16.42	33.737	5.37							50	16.42	33.737	5.37	24.70	325	326	0.1642
75	16.27	33.752	5.27							75	16.27	33.752	5.27	24.74	321	322	0.2454
99	16.16	34.044	5.17							100	16.03	34.047	5.17	25.02	294	296	0.3228
126	12.70	34.134	5.17							125	12.82	34.130	5.17	25.77	223	226	0.3882
151	11.23	34.056	5.48							150	11.28	34.059	5.46	26.01	200	203	0.4420
200	4.21	33.846	5.87							200	4.21	33.846	5.87	26.86	119	120	0.5232
249	1.93	33.832	6.07							250	1.91	33.831	6.06	27.06	100	101	0.5787
296	1.22	33.829	5.97							300	1.20	33.828	5.95	27.11	096	096	0.6281

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
394	0.77	33.828	5.67							400	0.75	33.826	5.67	27.13	093	093	0.7230
491	0.52	33.811	5.67														

KOREA .GANGWON 854 . STATION 105-10 . 37-33.2. N. 130-55.9. E. DEC. 4.1983. 08:20 KST. DEPTH 1800 . COLOR 3. TRANS. 17.0.
WAVE N 3. SWELL N 2. WIND N 3. BARO 1016. . AIR TEMP. DRY 8.8. WET . CLOUD. TYPE CU. AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	16.57	33.770	5.37							0	16.57	33.770	5.37	24.69	326	326	0.0000
10	16.59	33.748	5.27							10	16.59	33.748	5.27	24.67	328	328	0.0327
20	16.55	33.726	5.27							20	16.55	33.726	5.27	24.66	329	329	0.0656
30	16.45	33.789	5.27							30	16.45	33.789	5.27	24.73	322	322	0.0982
50	16.40	33.754	5.37							50	16.40	33.754	5.37	24.71	323	324	0.1629
75	16.32	33.796	5.07							75	16.32	33.796	5.07	24.76	318	320	0.2437
97	16.10	33.902	5.47							100	15.84	33.928	5.46	24.97	299	301	0.3215
129	13.42	34.180	5.38							125	13.75	34.145	5.39	25.59	240	243	0.3895
153	9.87	34.111	5.47							150	10.31	34.119	5.45	26.23	179	182	0.4428
202	2.83	33.981	5.77							200	3.11	33.986	5.75	27.08	098	099	0.5134
250	1.72	33.977	6.07							250	1.72	33.977	6.07	27.19	088	086	0.5605
298	1.63	33.905	6.07							300	1.61	33.903	6.07	27.14	093	093	0.6061
394	0.91	33.849	6.07							400	0.88	33.850	6.03	27.15	092	092	0.6993
490	0.53	33.879	5.47														

KOREA .GANGWON 854 . STATION 105-11 . 37-33.2. N, 131-14.6. E, DEC. 4.1983. 16:00 KST, DEPTH 2375 . COLOR 3. TRANS. 17.0.
WAVE NW 3, SWELL NW 2, WIND NW 3, BARO 1013. . AIR TEMP. DRY 8.8, WET . CLOUD. TYPE CU. AMT 06, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	16.55	33.942	5.37							0	16.55	33.942	5.37	24.82	313	313	0.0000
10	16.65	33.915	5.17							10	16.65	33.915	5.17	24.78	317	317	0.0315
20	16.59	33.861	5.37							20	16.59	33.861	5.37	24.75	320	320	0.0634
30	16.45	33.915	5.17							30	16.45	33.915	5.17	24.83	313	313	0.0951

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	16.44	33.891	5.27							50	16.44	33.891	5.27	24.81	314	315	0.1580
75	16.39	******	5.27							75	16.39	33.892	5.27	24.82	313	315	0.2369
98	15.92	33.894	5.07							100	15.79	33.916	5.08	24.97	298	301	0.3140
130	13.99	34.255	5.28							125	14.29	34.198	5.24	25.52	246	249	0.3829
154	9.48	34.008	5.97							150	10.23	34.049	5.85	26.19	183	186	0.4375
202	2.36	33.905	6.07							200	2.65	33.909	6.06	27.06	100	101	0.5095
249	1.40	33.929	6.07							250	1.39	33.929	6.07	27.18	089	090	0.5573
296	1.00	33.935	6.17							300	0.99	33.935	6.17	27.21	086	086	0.6015
393	0.76	33.955	6.17							400	0.75	33.954	6.13	27.24	083	083	0.6868
487	0.63	33.945	5.67														

104線 海洋觀測 成績

Oceanographic Data. Line 104

2月(February)

KOREA .GANGWON 854 . STATION 104-04 . 37-03.4. N, 129-28.8. E, FEB. 3.1983. 23:10 KST. DEPTH 110 ., COLOR , TRANS. ,

WAVE SW 2, SWELL SW 1, WIND SW 1, BARO 1015. , AIR TEMP. DRY 6.5, WET , CLOUD. TYPE , AMT , WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	10.36	34.312	5.92							0	10.36	34.312	5.92	26.37	166	166	0.0000
10	10.37	34.315	5.82							10	10.37	34.315	5.82	26.37	166	166	0.0166
20	10.38	34.320	5.72							20	10.38	34.320	5.72	26.37	166	166	0.0332
30	10.19	34.300	5.63							30	10.19	34.300	5.63	26.39	164	164	0.0498
50	7.05	34.196	5.63							50	7.05	34.196	5.63	26.80	125	126	0.0789
75	3.61	34.091	5.53							75	3.61	34.091	5.53	27.12	095	095	0.1066
99	2.79	34.056	5.53														

KOREA .GANGWON 854 . STATION 104-05 . 37-03.4. N, 129-33.6. E, FEB. 4.1983, 00:05 KST. DEPTH 220 . COLOR , TRANS. ,

WAVE SW 2, SWELL SW 1, WIND SW 1. BARO 1015. , AIR TEMP. DRY 7.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	10.58	34.408	6.02							0	10.58	34.408	6.02	26.40	163	162	0.0000
10	10.72	34.324	6.02							10	10.72	34.324	6.02	26.31	171	171	0.0167
20	10.69	34.316	5.92							20	10.69	34.316	5.92	26.31	171	171	0.0338
30	10.68	34.321	5.92							30	10.68	34.321	5.92	26.32	171	171	0.0510
50	8.97	34.247	5.72							50	8.97	34.247	5.72	26.55	149	149	0.0831
75	5.42	34.159	5.72							75	5.42	34.159	5.72	26.96	108	109	0.1155
99	3.47	34.088	5.72							100	3.42	34.086	5.72	27.13	093	094	0.1410
124	2.35	34.052	5.92							125	2.32	34.051	5.91	27.20	087	087	0.1637
148	1.81	34.047	5.82							150	1.80	34.047	5.82	27.24	083	083	0.1851
197	1.58	34.049	5.82														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 104-06 , 37-03.4. N, 129-47.6. E, FEB. 4.1983, 02:00 KST, DEPTH 600 . , COLOR , TRANS. .

WAVE SW 2. SWELL SW 1, WIND SW 1, BARO 1015. , AIR TEMP. DRY 7.2, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	10.16	34.220	5.92							0	10.16	34.220	5.92	26.33	169	169	0.0000
10	10.11	34.222	5.92							10	10.11	34.222	5.92	26.34	169	168	0.0169
20	10.14	34.222	5.92							20	10.14	34.222	5.92	26.34	169	169	0.0338
30	10.10	34.257	6.22							30	10.10	34.257	6.22	26.37	166	166	0.0506
50	7.97	34.099	6.32							50	7.97	34.099	6.32	26.59	145	146	0.0819
75	6.11	34.070	6.22							75	6.11	34.070	6.22	26.82	123	124	0.1157
99	3.04	34.054	6.22							100	3.00	34.053	6.21	27.15	092	092	0.1428
127	2.14	34.053	6.12							125	2.20	34.053	6.12	27.21	086	086	0.1653
151	1.51	34.037	6.12							150	1.53	34.037	6.12	27.25	082	082	0.1864
200	1.11	34.061	6.12							200	1.11	34.061	6.12	27.30	078	078	0.2265
249	0.83	34.077	5.92							250	0.82	34.076	5.91	27.33	075	075	0.2648
297	0.65	34.055	5.82							300	0.64	34.054	5.80	27.32	075	075	0.3024
395	0.47	34.052	5.33							400	0.46	34.051	5.33	27.33	075	074	0.3775
491	0.41	34.038	5.33														

KOREA .GANGWON 854 . STATION 104-07 , 37-03.4. N, 130-00.0. E, FEB. 4.1983, 03:50 KST. DEPTH 1050 . , COLOR , TRANS. ,

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1015. , AIR TEMP. DRY 7.0, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.08	34.287	6.02							0	11.08	34.287	6.02	26.22	180	180	0.0000
10	11.03	34.296	6.02							10	11.03	34.296	6.02	26.24	178	178	0.0179
20	11.07	34.287	6.12							20	11.07	34.287	6.12	26.22	180	180	0.0359
30	11.09	34.297	6.02							30	11.09	34.297	6.02	26.23	179	180	0.0539
50	10.96	34.333	6.02							50	10.96	34.333	6.02	26.28	174	175	0.0895
75	4.95	34.143	6.12							75	4.95	34.143	6.12	27.02	104	105	0.1246

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	2.59	34.059	6.02							100	2.59	34.059	6.02	27.19	088	088	0.1489
128	1.66	34.038	5.92							125	1.75	34.040	5.93	27.24	083	083	0.1705
152	1.43	34.036	5.92							150	1.44	34.036	5.92	27.26	082	082	0.1913
201	1.07	34.060	5.92							200	1.07	34.059	5.92	27.30	077	077	0.2313
249	0.90	34.056	5.92							250	0.89	34.055	5.91	27.31	077	077	0.2700
297	0.70	34.022	5.72							300	0.69	34.021	5.72	27.30	078	078	0.3089
395	0.42	34.009	5.72							400	0.41	34.009	5.70	27.30	077	077	0.3868
492	0.33	34.010	5.43														

KOREA .GANGWON 854 . STATION 104-08 . 37-03.4. N, 130-18.7. E, FEB. 4.1983, 06:15 KST, DEPTH 720 ., COLOR , TRANS. ,

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1015. , AIR TEMP. DRY 7.3, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

0	11.50	34.374	6.12							0	11.50	34.374	6.12	26.21	181	181	0.0000
10	11.29	34.295	6.12							10	11.29	34.295	6.12	26.19	183	183	0.0182
20	10.09	34.274	6.12							20	10.09	34.274	6.12	26.38	164	164	0.0356
30	9.93	34.267	6.12							30	9.93	34.267	6.12	26.41	162	163	0.0520
50	9.73	34.231	6.22							50	9.73	34.231	6.22	26.41	162	162	0.0846
75	9.12	34.199	*****							75	9.12	34.199	6.22	26.49	155	156	0.1245
99	5.27	34.105	6.22							100	5.19	34.103	6.22	26.96	110	111	0.1579
130	2.88	34.070	6.32							125	3.26	34.075	6.30	27.14	093	093	0.1835
154	1.99	34.047	6.32							150	2.13	34.050	6.32	27.22	085	086	0.2060
202	1.44	34.048	6.12							200	1.46	34.047	6.12	27.27	081	081	0.2479
250	1.07	34.047	5.92							250	1.07	34.047	5.92	27.29	078	078	0.2880
297	0.93	34.060	5.72							300	0.92	34.059	5.71	27.31	077	077	0.3270
393	0.82	34.050	5.53							400	0.79	34.049	5.53	27.31	076	076	0.4040
488	0.42	34.042	5.53														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 104-09 , 37-03.4. N, 130-37.6. E, FEB. 4.1983, 08:50 KST, DEPTH 2340 . COLOR 4, TRANS. 15.0,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 7.0, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.33	34.259	6.22							0	12.33	34.259	6.22	25.97	204	204	0.0000
10	12.35	34.258	6.02							10	12.35	34.258	6.02	25.96	205	205	0.0204
20	12.31	34.255	6.12							20	12.31	34.255	6.12	25.97	204	204	0.0409
30	12.30	34.252	6.22							30	12.30	34.252	6.22	25.97	204	205	0.0614
50	11.63	34.195	6.21							50	11.63	34.195	6.21	26.05	196	197	0.1017
75	11.34	34.177	6.11							75	11.34	34.177	6.11	26.09	193	194	0.1507
100	11.18	34.159	6.12							100	11.18	34.159	6.12	26.10	191	193	0.1992
128	10.85	34.162	5.83							125	10.88	34.161	5.86	26.16	186	188	0.2470
152	7.22	34.159	5.83							150	7.52	34.159	5.83	26.70	135	137	0.2877
201	2.58	34.063	5.83							200	2.67	34.064	5.83	27.19	088	089	0.3445
249	1.34	34.040	5.63							250	1.33	34.040	5.62	27.27	081	081	0.3872
297	0.90	34.042	5.53							300	0.88	34.042	5.52	27.30	078	078	0.4270
394	0.54	34.046	5.43							400	0.52	34.046	5.43	27.32	075	075	0.5038
489	0.36	34.055	5.43														

KOREA .GANGWON 854 . STATION 104-10 . 37-03.4. N, 130-56.4. E, FEB. 4.1983, 11:20 KST, DEPTH 1800 , COLOR 4, TRANS. 16.0,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 6.8, WET , CLOUD. TYPE NS, AMT 08, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.39	34.275	6.32							0	12.39	34.275	6.32	25.97	204	204	0.0000
10	12.45	34.288	5.92							10	12.45	34.288	5.92	25.96	204	204	0.0204
20	12.46	34.282	5.82							20	12.46	34.282	5.82	25.96	205	205	0.0409
30	12.03	34.226	5.82							30	12.03	34.226	5.82	26.00	201	202	0.0613
50	11.37	34.124	5.72							50	11.37	34.124	5.72	26.04	197	198	0.1014
75	11.31	34.145	5.82							75	11.31	34.145	5.82	26.07	194	196	0.1507

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	11.24	34.141	5.82							100	11.24	34.141	5.82	26.08	193	195	0.1997
131	11.14	34.159	5.82							125	11.15	34.155	5.82	26.10	191	193	0.2484
155	11.04	34.136	5.83							150	11.06	34.140	5.82	26.11	190	193	0.2969
203	6.31	34.104	5.82							200	6.60	34.106	5.82	26.78	126	129	0.3778
251	2.61	34.101	5.72							250	2.68	34.101	5.72	27.21	086	087	0.4320
298	1.55	34.047	5.72							300	1.53	34.046	5.71	27.26	081	082	0.4744
394	0.85	34.038	5.63							400	0.82	34.039	5.61	27.30	077	077	0.5546
489	0.52	34.061	5.43														
KOREA ,GANGWON 854 , STATION 104-11 , 37-03.4. N, 131-15.3. E, FEB. 4.1983, 13:40 KST, DEPTH 2325 , COLOR 4, TRANS. 16.0,																	
WAVE SW 3, SWELL SW 2, WIND SW 3, BARO 1011. . AIR TEMP. DRY 6.2, WET . CLOUD. TYPE CU, AMT 07, WEATHER BC,																	
0	11.30	34.112	6.22							0	11.30	34.112	6.22	26.04	197	196	0.0000
10	11.34	34.121	5.92							10	11.34	34.121	5.92	26.04	197	197	0.0196
20	11.31	34.130	5.72							20	11.31	34.130	5.72	26.06	195	196	0.0393
30	11.30	34.133	6.02							30	11.30	34.133	6.02	26.06	195	195	0.0589
50	11.30	34.119	5.72							50	11.30	34.119	5.72	26.05	196	197	0.0983
75	11.29	34.138	6.22							75	11.29	34.138	6.22	26.07	195	196	0.1475
99	11.28	34.119	6.31							100	11.27	34.118	6.31	26.05	196	198	0.1968
131	11.27	34.118	6.41							125	11.27	34.118	6.39	26.05	196	198	0.2465
155	10.30	34.104	6.41							150	10.50	34.106	6.41	26.18	183	186	0.2946
203	8.26	34.091	6.31							200	8.38	34.091	6.31	26.52	152	155	0.3802
250	7.29	34.086	6.31							250	7.29	34.086	6.31	26.68	137	140	0.4543
297	5.16	34.061	6.12							300	5.05	34.060	6.11	26.94	112	114	0.5183
394	1.66	34.041	5.92							400	1.62	34.040	5.90	27.25	082	083	0.6176
490	1.05	34.029	5.72														

4月(April)

KOREA .GANGWON 854 . STATION 104-04 , 37-03.4. N, 129-28.8. E, APR.13.1983, 19:00 KST, DEPTH 110 , COLOR , TRANS. .

WAVE SE 1. SWELL SE 1, WIND SE 1. BARO 1014. , AIR TEMP. DRY , WET , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.59	34.298	7.15							0	11.59	34.298	7.15	26.14	188	188	0.0000
10	11.17	34.297	7.26							10	11.17	34.297	7.26	26.21	181	181	0.0184
20	10.09	34.198	6.47							20	10.09	34.198	6.47	26.33	170	170	0.0369
30	3.93	34.125	6.67							30	3.93	34.125	6.67	27.11	095	095	0.0493
50	3.03	34.113	6.67							50	3.03	34.113	6.67	27.19	088	089	0.0677
75	2.23	34.051	6.38							75	2.23	34.051	6.38	27.21	086	086	0.0896
99	2.02	34.050	6.76														

KOREA .GANGWON 854 . STATION 104-05 . 37-03.4. N, 129-33.6. E. APR.13.1983, 18:15 KST, DEPTH 220 , COLOR , TRANS. ,

WAVE SE 1. SWELL SE 1, WIND SE 1, BARO 1014. , AIR TEMP. DRY 0.0, WET 13.3, CLOUD. TYPE ST, AMT 06, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.98	34.384	7.05							0	11.98	34.384	7.05	26.13	189	188	0.0000
10	11.33	34.382	7.05							10	11.33	34.382	7.05	26.25	177	177	0.0183
20	9.37	34.317	6.66							20	9.37	34.317	6.66	26.54	150	150	0.0347
30	7.13	34.286	6.76							30	7.13	34.286	6.76	26.85	120	120	0.0482
50	5.67	34.109	6.76							50	5.67	34.109	6.76	26.91	115	115	0.0718
75	4.01	34.105	6.47							75	4.01	34.105	6.47	27.09	097	098	0.0986
99	2.73	34.075	6.47							100	2.70	34.075	6.47	27.19	088	088	0.1219
124	2.03	34.076	6.47							125	2.02	34.075	6.46	27.25	083	083	0.1434
148	1.83	34.063	6.27							150	1.82	34.063	6.26	27.25	082	082	0.1642
195	1.63	34.064	6.18														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 , STATION 104-06 , 37-03.4. N, 129-47.6. E, APR.13.1983, 16:20 KST, DEPTH 600 , COLOR , TRANS. , WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1014. , AIR TEMP. DRY 14.4, WET , CLOUD. TYPE ST, AMT 07, WEATHER BC,																	
0	11.75	34.405	7.06							0	11.75	34.405	7.06	26.19	183	183	0.0000
10	9.48	34.315	6.96							10	9.48	34.315	6.96	26.52	152	151	0.0167
20	8.01	34.195	6.96							20	8.01	34.195	6.96	26.66	139	139	0.0313
30	7.37	34.174	6.76							30	7.37	34.174	6.76	26.73	131	132	0.0448
50	5.75	34.105	6.47							50	5.75	34.105	6.47	26.89	116	116	0.0697
75	3.30	34.056	6.18							75	3.30	34.056	6.18	27.12	094	095	0.0962
98	2.51	34.055	6.57							100	2.47	34.057	6.58	27.20	087	088	0.1191
129	1.95	34.097	6.76							125	2.02	34.091	6.73	27.26	081	082	0.1404
154	1.64	34.053	6.57							150	1.68	34.060	6.60	27.26	081	082	0.1609
202	1.34	34.061	*****							200	1.35	34.060	6.92	27.28	079	079	0.2014
250	1.03	34.071	7.06							250	1.03	34.071	7.06	27.31	076	076	0.2405
297	0.72	34.055	6.27							300	0.71	34.055	6.27	27.32	076	075	0.2787
394	0.56	34.084	6.27							400	0.55	34.082	6.25	27.35	073	072	0.3530
490	0.41	34.064	5.98														
KOREA .GANGWON 854 . STATION 104-07 . 37-03.4. N. 130-00.0. E. APR.13.1983. 14:30 KST. DEPTH 1050 . COLOR . TRANS. . WAVE SE 1. SWELL SE 1. WIND SE 1. BARO 1015. . AIR TEMP. DRY 16.8. WET . CLOUD. TYPE ST. AMT 07. WEATHER BC.																	
0	11.24	34.341	6.67							0	11.24	34.341	6.67	26.23	179	178	0.0000
10	10.12	34.344	6.67							10	10.12	34.344	6.67	26.43	160	160	0.0169
20	9.63	34.343	6.67							20	9.63	34.343	6.67	26.52	152	152	0.0325
30	7.73	34.238	6.57							30	7.73	34.238	6.57	26.73	131	132	0.0468
50	4.55	34.093	6.76							50	4.55	34.093	6.76	27.02	104	104	0.0704
75	4.36	34.100	6.18							75	4.36	34.100	6.18	27.05	101	102	0.0962

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	3.00	34.083	6.18							100	2.96	34.082	6.17	27.17	090	090	0.1203
131	1.80	34.066	6.08							125	2.02	34.069	6.09	27.24	083	083	0.1421
155	1.36	34.066	5.88							150	1.45	34.066	5.92	27.28	079	079	0.1625
203	1.33	34.082	6.27							200	1.33	34.081	6.24	27.30	077	078	0.2020
250	0.88	34.077	5.88							250	0.88	34.077	5.88	27.33	075	075	0.2404
296	0.60	34.069	6.08							300	0.59	34.068	6.08	27.34	074	074	0.2777
392	0.39	34.062	6.08							400	0.38	34.063	6.06	27.35	073	073	0.3514
488	0.28	34.074	5.66														

KOREA .GANGWON 854 . STATION 104-08 . 37-03.4. N, 130-18.7. E, APR.13.1983. 12:00 KST. DEPTH 720 , COLOR 4, TRANS.

WAVE SE 3. SWELL SE 1, WIND SE 3, BARO 1015. , AIR TEMP. DRY 14.2, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	13.39	34.534	6.08							0	13.39	34.534	6.08	25.97	204	204	0.0000
10	13.17	34.562	6.08							10	13.17	34.562	6.08	26.03	198	198	0.0201
20	12.14	34.503	5.98							20	12.14	34.503	5.98	26.19	183	183	0.0392
30	10.04	34.361	6.08							30	10.04	34.361	6.08	26.46	157	157	0.0562
50	9.33	34.326	6.08							50	9.33	34.326	6.08	26.55	148	149	0.0870
75	7.55	34.178	6.27							75	7.55	34.178	6.27	26.71	133	134	0.1225
98	4.41	34.088	6.08							100	4.32	34.087	6.07	27.04	102	102	0.1523
132	2.89	34.074	5.98							125	3.20	34.076	6.00	27.15	092	093	0.1768
157	2.18	34.086	5.98							150	2.37	34.082	5.98	27.22	085	085	0.1991
205	1.42	34.070	5.88							200	1.49	34.071	5.89	27.28	079	079	0.2405
252	1.40	34.077	5.88							250	1.40	34.076	5.88	27.29	078	078	0.2803
300	0.80	34.089	5.98							300	0.80	34.089	5.98	27.34	074	073	0.3185
396	0.46	34.061	5.48														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 , STATION 104-09 , 37-03.4. N, 130-37.6. E, APR.13.1983, 09:30 KST, DEPTH 2340 , COLOR 4, TRANS. 15.0,
WAVE SE 3, SWELL SE 1, WIND SE 3, BARO 1015. , AIR TEMP. DRY 14.5, WET , CLOUD. TYPE ST, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.89	34.506	6.37							0	12.89	34.506	6.37	26.05	197	196	0.0000
10	11.42	34.435	6.67							10	11.42	34.435	6.67	26.27	175	175	0.0186
20	10.92	34.407	6.67							20	10.92	34.407	6.67	26.34	168	168	0.0358
30	10.48	34.384	6.47							30	10.48	34.384	6.47	26.40	163	163	0.0524
50	9.24	34.146	6.47							50	9.24	34.146	6.47	26.43	160	161	0.0849
75	4.65	34.097	6.47							75	4.65	34.097	6.47	27.02	104	105	0.1183
98	2.93	34.059	6.27							100	2.88	34.058	6.27	27.16	091	091	0.1429
133	2.17	34.057	6.27							125	2.34	34.057	6.27	27.21	086	087	0.1652
157	1.81	34.071	6.18							150	1.91	34.066	6.20	27.25	082	083	0.1865
205	1.29	34.095	6.18							200	1.34	34.092	6.18	27.31	077	077	0.2266
252	1.03	34.076	6.08							250	1.04	34.076	6.08	27.32	076	076	0.2650
300	0.72	34.073	5.69							300	0.72	34.073	5.69	27.33	074	074	0.3028
396	0.45	34.064	5.59							400	0.44	34.064	5.58	27.34	073	073	0.3769
490	0.37	34.078	5.49														

KOREA .GANGWON 854 . STATION 104-10 , 37-03.4. N, 130-56.4. E, APR.13.1983, 06:00 KST, DEPTH 1800 , COLOR , TRANS. ,
WAVE S 1. SWELL S 1, WIND S 1, BARO 1014. , AIR TEMP. DRY 11.0, WET , CLOUD. TYPE ST, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.42	34.535	6.37							0	13.42	34.535	6.37	25.96	205	204	0.0000
10	13.42	34.539	6.18							10	13.42	34.539	6.18	25.96	204	204	0.0204
20	13.30	34.532	6.08							20	13.30	34.532	6.08	25.98	202	203	0.0408
30	13.26	34.534	5.78							30	13.26	34.534	5.78	25.99	202	202	0.0611
50	10.89	******	5.59							50	10.89	34.390	5.59	26.34	169	170	0.0984
75	7.05	34.212	5.88							75	7.05	34.212	5.88	26.81	124	125	0.1354

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
98	5.14	34.151	5.69							100	5.03	34.147	5.69	27.01	105	106	0.1643
132	3.29	34.090	5.78							125	3.67	34.102	5.76	27.12	094	095	0.1895
156	2.31	34.070	5.88							150	2.55	34.075	5.85	27.20	087	087	0.2125
204	1.39	34.058	6.18							200	1.46	34.059	6.15	27.27	080	080	0.2545
251	1.28	34.036	6.27							250	1.28	34.036	6.26	27.27	080	081	0.2950
297	0.85	34.057	6.18							300	0.83	34.056	6.15	27.31	076	076	0.3344
392	0.51	34.053	5.39							400	0.49	34.053	5.38	27.33	075	074	0.4101
485	0.34	34.056	5.29														

KOREA ,GANGWON 854 , STATION 104-11 , 37-03.4. N, 131-15.3. E, APR.13.1983, 03:50 KST, DEPTH 2325 , COLOR , TRANS. ,

WAVE S 2, SWELL S 1, WIND S 2, BARO 1013. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE , AMT , WEATHER BC,

0	13.61	34.551	6.08							0	13.61	34.551	6.08	25.94	207	207	0.0000
10	13.60	34.569	6.27							10	13.60	34.569	6.27	25.95	206	206	0.0206
20	13.48	34.596	5.98							20	13.48	34.596	5.98	26.00	201	201	0.0410
30	13.44	34.565	5.88							30	13.44	34.565	5.88	25.98	203	203	0.0613
50	11.69	34.556	5.78							50	11.69	34.556	5.78	26.32	171	172	0.0989
75	8.08	34.268	5.69							75	8.08	34.268	5.69	26.70	134	135	0.1374
97	4.81	34.139	5.78							100	4.71	34.134	5.78	27.04	102	103	0.1673
138	3.46	34.084	5.88							125	3.88	34.101	5.84	27.10	096	097	0.1924
162	2.21	34.048	6.18							150	2.83	34.066	6.03	27.17	090	090	0.2160
209	1.37	34.062	6.18							200	1.53	34.059	6.18	27.27	080	081	0.2589
255	1.12	34.077	5.88							250	1.14	34.075	5.91	27.31	077	077	0.2985
300	0.99	34.065	5.69							300	0.99	34.065	5.69	27.31	076	077	0.3371
394	0.43	34.073	5.59							400	0.42	34.072	5.57	27.35	073	072	0.4120
485	0.33	34.061	5.39														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 月(June)

KOREA .GANGWON 854 . STATION 104-04 . 37-03.4. N, 129-28.6. E, JUN.14.1983, 06:20 KST, DEPTH 110 , COLOR 4, TRANS. 14.0,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1004. , AIR TEMP. DRY 15.6, WET , CLOUD. TYPE ST, AMT 01, WEATHER B ,

0	14.33	33.635	6.27							0	14.33	33.635	6.27	25.08	288	288	0.0000
10	14.25	33.787	6.37							10	14.25	33.787	6.37	25.21	276	276	0.0282
20	13.23	33.821	6.48							20	13.23	33.821	6.48	25.45	253	253	0.0547
30	11.05	33.820	6.38							30	11.05	33.820	6.38	25.86	214	214	0.0781
50	5.32	33.791	6.28							50	5.32	33.791	6.28	26.70	135	135	0.1132
75	3.95	33.818	6.48							75	3.95	33.818	6.48	26.87	118	119	0.1450
99	3.10	33.827	6.27														

KOREA .GANGWON 854 . STATION 104-05 . 37-03.4. N, 129-33.6. E. JUN.14.1983, 07:05 KST, DEPTH 220 , COLOR 3, TRANS. 16.5,
WAVE SW 3, SWELL SW 1, WIND SW 3, BARO 1004. , AIR TEMP. DRY 17.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

0	14.95	33.782	6.48							0	14.95	33.782	6.48	25.06	290	290	0.0000
10	14.62	33.796	6.58							10	14.62	33.796	6.58	25.14	283	283	0.0286
20	9.32	33.832	6.58							20	9.32	33.832	6.58	26.17	185	185	0.0521
30	5.38	33.832	6.68							30	5.38	33.832	6.68	26.72	132	132	0.0680
50	3.61	33.813	6.38							50	3.61	33.813	6.38	26.90	116	116	0.0929
75	2.71	33.819	6.38							75	2.71	33.819	6.38	26.99	107	107	0.1209
99	2.10	33.818	6.58							100	2.08	33.818	6.57	27.04	103	103	0.1473
124	1.80	33.822	6.48							125	1.79	33.822	6.48	27.06	100	100	0.1728
148	1.70	33.829	6.48							150	1.68	33.829	6.45	27.08	099	099	0.1978
196	1.35	33.851	5.97														

	OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 104-06 , 37-03.4. N, 129-47.6. E. JUN.14.1983. 09:00 KST. DEPTH 600 . COLOR 4. TRANS. 15.0.																	
WAVE SW 3, SWELL SW 1, WIND SW 3, BARO 1004. , AIR TEMP. DRY 17.6, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	15.62	33.940	5.87							0	15.62	33.940	5.87	25.03	293	293	0.0000
10	15.28	33.932	5.97							10	15.28	33.932	5.97	25.10	286	286	0.0289
20	7.54	33.921	6.29							20	7.54	33.921	6.29	26.51	152	153	0.0509
30	5.56	33.902	6.38							30	5.56	33.902	6.38	26.76	129	129	0.0651
50	3.44	33.844	6.38							50	3.44	33.844	6.38	26.94	112	112	0.0892
75	2.62	33.835	6.38							75	2.62	33.835	6.38	27.01	105	105	0.1165
98	2.10	33.843	6.29							100	2.08	33.843	6.28	27.06	101	101	0.1424
135	1.76	33.854	6.28							125	1.85	33.851	6.28	27.08	098	098	0.1674
157	1.28	33.843	6.28							150	1.43	33.846	6.28	27.11	096	096	0.1919
205	1.09	33.854	5.98							200	1.10	33.852	6.01	27.13	093	093	0.2394
253	0.92	33.879	5.88							250	0.93	33.877	5.88	27.16	090	090	0.2855
301	0.80	33.875	5.88							300	0.80	33.875	5.88	27.17	090	090	0.3308
397	0.75	33.864	*****							400	0.74	33.863	5.77	27.16	090	090	0.4212
493	0.72	33.857	5.66														
KOREA .GANGWON 854 . STATION 104-07 , 37-03.4. N. 130-00.0. E, JUN.14.1983, 10:40 KST, DEPTH 1050 , COLOR 4, TRANS. 14.5,																	
WAVE SW 3, SWELL SW 1, WIND SW 3, BARO 1004. , AIR TEMP. DRY 18.6, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	16.49	33.934	5.56							0	16.49	33.934	5.56	24.83	312	312	0.0000
10	15.28	33.945	5.97							10	15.28	33.945	5.97	25.11	285	285	0.0299
20	13.73	33.874	6.17							20	13.73	33.874	6.17	25.39	259	259	0.0571
30	9.76	34.006	6.18							30	9.76	34.006	6.18	26.23	179	179	0.0791
50	5.31	33.946	6.17							50	5.31	33.946	6.17	26.82	123	123	0.1094
75	5.21	33.920	6.27							75	5.21	33.920	6.27	26.81	124	124	0.1405

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
98	5.09	33.869	6.36							100	4.90	33.868	6.35	26.81	124	125	0.1718
131	2.01	33.861	5.97							125	2.57	33.862	6.04	27.03	103	103	0.2005
155	1.58	33.855	6.07							150	1.66	33.856	6.04	27.10	097	097	0.2256
204	1.24	33.855	5.87							200	1.26	33.855	5.86	27.12	094	094	0.2736
251	1.12	33.854	5.87							250	1.12	33.854	5.87	27.13	093	093	0.3207
298	1.04	33.867	5.77							300	1.03	33.866	5.77	27.15	092	092	0.3673
392	0.57	33.854	5.87							400	0.55	33.854	5.87	27.17	090	090	0.4585
466	0.45	33.856	5.97														

KOREA .GANGWON 854 . STATION 104-08 , 37-03.4. N, 130-18.7. E, JUN.14.1983, 13:00 KST, DEPTH 720 , COLOR 4, TRANS. 14.0,
WAVE SW 4, SWELL SW 1, WIND SW 4, BARO 1003. , AIR TEMP. DRY 20.6, WET . CLOUD. TYPE CI, AMT 01, WEATHER B ,

0	18.53	33.954	5.56							0	18.53	33.954	5.56	24.36	357	357	0.0000
10	18.11	33.978	5.56							10	18.11	33.978	5.56	24.48	346	346	0.0351
20	17.54	34.040	5.46							20	17.54	34.040	5.46	24.66	328	328	0.0689
30	17.21	34.031	5.66							30	17.21	34.031	5.66	24.74	321	322	0.1014
50	15.22	34.209	5.75							50	15.22	34.209	5.75	25.33	265	266	0.1603
75	14.44	34.198	5.64							75	14.44	34.198	5.64	25.49	249	251	0.2250
94	13.75	34.217	5.64							100	13.64	34.222	5.66	25.67	232	234	0.2858
130	13.12	34.248	5.77							125	13.20	34.243	5.75	25.78	222	225	0.3433
154	10.13	34.147	5.96							150	10.62	34.163	5.92	26.21	181	184	0.3946
202	4.70	33.946	5.87							200	4.92	33.954	5.87	26.87	118	120	0.4709
249	4.28	33.944	5.77							250	4.23	33.942	5.77	26.94	112	114	0.5295
295	2.20	33.880	5.87							300	2.16	33.878	5.86	27.08	099	099	0.5631
392	1.47	33.857	5.77							400	1.39	33.857	5.77	27.12	095	095	0.6809
483	0.59	33.860	5.77														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 104-09 . 37-03.4. N, 130-37.6. E, JUN.14.1983. 15:15 KST. DEPTH 2340 . COLOR 4, TRANS. 14.0.																	
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1006, , AIR TEMP. DRY 22.8, WET , CLOUD. TYPE ST, AMT 08, WEATHER C ,																	
0	18.82	34.099	5.67							0	18.82	34.099	5.67	24.39	354	353	0.0000
10	18.68	34.110	5.36							10	18.68	34.110	5.36	24.44	350	350	0.0352
20	18.18	34.130	5.36							20	18.18	34.130	5.36	24.58	336	337	0.0695
30	17.92	34.110	5.53							30	17.92	34.110	5.53	24.63	332	332	0.1030
50	17.14	34.097	5.56							50	17.14	34.097	5.56	24.80	315	316	0.1679
75	15.06	34.217	5.86							75	15.06	34.217	5.86	25.37	261	263	0.2404
94	14.49	34.279	5.76							100	14.00	34.260	5.81	25.63	236	239	0.3031
136	11.10	34.149	6.17							125	11.96	34.163	6.06	25.97	204	206	0.3588
159	9.22	34.069	6.07							150	9.95	34.112	6.10	26.28	174	177	0.4069
206	5.92	33.960	6.07							200	6.34	33.976	6.07	26.72	133	135	0.4851
253	5.10	33.881	6.07							250	5.15	33.886	6.07	26.79	126	128	0.5512
299	1.97	33.881	5.87							300	1.95	33.880	5.87	27.10	097	098	0.6079
395	0.90	33.879	5.97							400	0.88	33.878	5.96	27.17	090	090	0.7022
490	0.64	33.864	5.87														
KOREA .GANGWON 854 . STATION 104-10 . 37-03.4. N. 130-56.4. E. JUN.15.1983. 10:50 KST. DEPTH 2325 . COLOR 3. TRANS. 17.0.																	
WAVE SE 1. SWELL SE 1. WIND SE 1. BARO 1006. , AIR TEMP. DRY 24.2. WET , CLOUD. TYPE ST. AMT 08. WEATHER C ,																	
0	19.35	34.203	5.56							0	19.35	34.203	5.56	24.34	359	359	0.0000
10	18.48	34.183	5.56							10	18.48	34.183	5.56	24.54	340	340	0.0349
20	18.05	34.193	5.46							20	18.05	34.193	5.46	24.66	329	329	0.0684
30	16.81	34.199	5.67							30	16.81	34.199	5.67	24.96	300	300	0.0999
50	15.01	34.186	5.67							50	15.01	34.186	5.67	25.36	262	263	0.1564
75	14.05	34.277	5.86							75	14.05	34.277	5.86	25.63	236	238	0.2191

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
96	12.53	34.233	5.76							100	12.24	34.219	5.76	25.95	206	208	0.2748
137	9.57	34.090	5.77							125	10.43	34.131	5.76	26.21	181	183	0.3238
160	8.24	34.043	*****							150	8.81	34.063	5.86	26.43	160	163	0.3671
207	4.81	33.916	6.08							200	5.32	33.934	6.05	26.81	124	126	0.4395
254	1.77	33.862	6.17							250	2.02	33.866	6.16	27.08	096	099	0.4959
300	1.51	33.862	6.07							300	1.51	33.862	6.07	27.11	095	096	0.5449
395	0.71	33.859	5.67							400	0.69	33.858	5.67	27.16	090	090	0.6383
488	0.52	33.857	5.67														

KOREA .GANGWON 854 . STATION 104-11 , 37-03.4. N. 131-15.3. E, JUN.15.1983. 08:30 KST. DEPTH 1800 . COLOR 3, TRANS. 17.0,
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1006. , AIR TEMP. DRY 22.6, WET , CLOUD. TYPE ST, AMT 06, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	18.64	34.181	5.56							0	18.64	34.181	5.56	24.50	343	343	0.0000
10	18.28	34.178	5.56							10	18.28	34.178	5.56	24.59	335	335	0.0339
20	17.81	34.176	5.56							20	17.81	34.176	5.56	24.70	324	325	0.0670
30	17.10	34.166	5.77							30	17.10	34.166	5.77	24.87	309	309	0.0987
50	14.79	34.220	5.87							50	14.79	34.220	5.87	25.43	255	256	0.1554
75	12.67	34.207	5.86							75	12.67	34.207	5.86	25.82	218	220	0.2149
99	11.85	34.144	5.56							100	11.78	34.142	5.56	25.98	203	205	0.2681
129	9.76	34.096	5.67							125	10.03	34.102	5.65	26.26	176	178	0.3162
153	8.65	34.050	5.77							150	8.78	34.055	5.75	26.43	160	163	0.3590
201	5.11	33.928	6.07							200	5.16	33.930	6.06	26.82	123	125	0.4310
249	2.61	33.873	6.07							250	2.58	33.873	6.07	27.04	102	103	0.4882
296	1.66	33.901	6.17							300	1.65	33.900	6.16	27.14	093	094	0.5377
392	1.42	33.896	6.07							400	1.34	33.893	6.06	27.15	092	092	0.6312
488	0.57	33.869	5.97														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

7月(July)

KOREA .GYUNGBUG 853 , STATION 104-04 , 37-03.4. N, 129-28.8. E, JUL.13.1983, 07:22 KST, DEPTH 110 , , COLOR 8, TRANS. 9.0,
WAVE NE 1, SWELL , WIND NE 3, BARO 1012.5, AIR TEMP. DRY 19.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.08	33.152	*****							0	18.08	33.152	*****	23.85	405	405	0.0000
10	13.16	33.386	*****							10	13.16	33.386	*****	25.13	284	284	0.0344
20	8.85	33.517	*****							20	8.85	33.517	*****	26.00	201	201	0.0587
30	7.28	33.574	*****							30	7.28	33.574	*****	26.27	175	175	0.0776
50	5.48	33.650	*****							50	5.48	33.650	*****	26.57	147	147	0.1099
74	4.81	33.743	*****							75	4.73	33.749	*****	26.73	131	132	0.1450
97	3.08	33.899	*****														

KOREA .GYUNGBUG 853 , STATION 104-05 , 37-03.4. N, 129-33.6. E, JUL.13.1983, 08:05 KST, DEPTH 220 . , COLOR 8, TRANS. 11.0,
WAVE NE 1, SWELL , WIND NE 3, BARO 1012.5, AIR TEMP. DRY 21.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.93	32.986	*****							0	15.93	32.986	*****	24.23	369	369	0.0000
10	14.27	33.156	*****							10	14.27	33.156	*****	24.72	322	322	0.0346
20	12.83	33.221	*****							20	12.83	33.221	*****	25.06	290	290	0.0652
30	12.22	33.277	*****							30	12.22	33.277	*****	25.23	274	275	0.0935
50	9.52	33.577	*****							50	9.52	33.577	*****	25.94	207	208	0.1419
78	4.91	33.690	*****							75	5.40	33.677	*****	26.60	144	145	0.1860
89	4.49	33.928	*****							100	4.14	33.911	*****	26.92	113	114	0.2184
126	3.32	33.872	*****							125	3.35	33.873	*****	26.97	109	109	0.2465
164	1.99	34.025	*****							150	2.48	33.968	*****	27.12	094	095	0.2721
196	1.59	34.055	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 , STATION 104-06 , 37-03.4. N, 129-47.6. E, JUL.13.1983, 09:35 KST, DEPTH 600 , COLOR 3, TRANS. 13.0,																	
WAVE NE 1, SWELL , WIND NE 3, BARO 1013. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	19.01	33.855	*****							0	19.01	33.855	*****	24.16	376	376	0.0000
10	18.11	33.855	*****							10	18.11	33.855	*****	24.38	355	355	0.0365
20	10.59	33.856	*****							20	10.59	33.856	*****	25.97	203	204	0.0645
30	5.45	34.047	*****							30	5.45	34.047	*****	26.88	117	117	0.0806
50	3.92	34.052	*****							50	3.92	34.052	*****	27.06	101	101	0.1024
80	2.05	33.980	*****							75	2.36	33.992	*****	27.15	091	092	0.1266
112	1.72	34.016	*****							100	1.84	34.002	*****	27.20	087	087	0.1490
119	1.73	34.035	*****							125	1.70	34.042	*****	27.24	083	083	0.1704
143	1.61	34.063	*****							150	1.54	34.061	*****	27.27	080	080	0.1909
186	1.21	34.054	*****							200	1.16	34.058	*****	27.29	078	078	0.2308
265	0.96	34.077	*****							250	1.00	34.072	*****	27.32	076	076	0.2696
303	0.85	34.082	*****							300	0.85	34.081	*****	27.33	074	074	0.3074
400	0.64	34.081	*****							400	0.64	34.081	*****	27.35	073	073	0.3816
510	0.36	34.081	*****							500	0.38	34.081	*****	27.36	072	071	0.4543
KOREA .GYUNGBUG 853 , STATION 104-07 , 37-03.4. N, 130-00.0. E, JUL.13.1983, 11:10 KST, DEPTH 1050 , , COLOR 3, TRANS. 13.0,																	
WAVE , SWELL , WIND NE 1, BARO 1013. , AIR TEMP. DRY 25.0, WET , CLOUD. TYPE AS, AMT 08, WEATHER C ,																	
0	19.25	33.829	*****							0	19.25	33.829	*****	24.08	384	383	0.0000
10	18.00	33.898	*****							10	18.00	33.898	*****	24.44	349	349	0.0366
20	5.81	33.825	*****							20	5.81	33.825	*****	26.67	138	138	0.0610
30	4.37	34.025	*****							30	4.37	34.025	*****	26.99	107	107	0.0733
50	2.45	33.935	*****							50	2.45	33.935	*****	27.10	096	096	0.0937
92	2.41	34.042	*****							75	2.42	33.998	*****	27.15	091	092	0.1174

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
132	1.85	34.047	*****							100	2.29	34.043	*****	27.20	087	087	0.1398
137	1.74	34.033	*****							125	1.94	34.046	*****	27.23	084	084	0.1614
138	1.60	34.058	*****							150	1.50	34.062	*****	27.27	080	080	0.1821
200	1.09	34.079	*****							200	1.09	34.079	*****	27.32	076	076	0.2214
298	0.85	34.096	*****							250	0.96	34.087	*****	27.33	075	075	0.2593
305	0.79	34.095	*****							300	0.83	34.095	*****	27.35	073	073	0.2965
403	0.58	34.096	*****							400	0.58	34.095	*****	27.36	072	072	0.3693
505	0.44	34.086	*****							500	0.44	34.086	*****	27.36	072	071	0.4413

KOREA ,GYUNGBUG 853 , STATION 104-08 , 37-03.4. N, 130-16.7. E, JUL.13.1983, 13:15 KST, DEPTH 720 , COLOR 3, TRANS. 13.0,

WAVE , SWELL , WIND SE 1, BARO 1012.5, AIR TEMP. DRY 28.5, WET , CLOUD. TYPE CU, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	18.92	33.612	*****							0	18.92	33.612	*****	24.00	392	391	0.0000
10	15.55	33.459	*****							10	15.55	33.459	*****	24.68	327	326	0.0359
20	13.34	33.665	*****							20	13.34	33.665	*****	25.31	267	267	0.0656
30	12.08	34.390	*****							30	12.08	34.390	*****	26.11	190	190	0.0885
50	9.29	34.289	*****							50	9.29	34.289	*****	26.53	151	151	0.1228
83	4.12	33.959	*****							75	5.37	34.039	*****	26.89	117	117	0.1565
90	3.45	34.049	*****							100	3.36	34.048	*****	27.11	096	096	0.1833
110	3.28	34.048	*****							125	2.70	34.060	*****	27.18	089	089	0.2066
122	2.78	34.059	*****							150	2.09	34.070	*****	27.24	083	084	0.2284
160	1.85	34.075	*****							200	1.44	34.074	*****	27.29	079	079	0.2693
214	1.30	34.074	*****							250	1.06	34.076	*****	27.32	076	076	0.3083
263	0.98	34.077	*****							300	0.81	34.077	*****	27.33	075	074	0.3462
372	0.46	34.077	*****							400	0.42	34.072	*****	27.35	073	072	0.4200
429	0.37	34.067	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 104-09 . 37-03.4. N, 130-37.6. E, JUL.13.1983. 15:20 KST. DEPTH 2340 . COLOR 3, TRANS. 12.0,																	
WAVE , SWELL , WIND SE 3, BARO 1011.5, AIR TEMP. DRY 29.4, WET , CLOUD. TYPE CU, AMT 04, WEATHER BC,																	
0	21.96	33.253	*****							0	21.96	33.253	*****	22.92	494	494	0.0000
10	18.48	33.650	*****							10	18.48	33.650	*****	24.14	378	378	0.0436
20	15.27	34.366	*****							20	15.27	34.366	*****	25.44	254	255	0.0753
30	14.82	34.552	*****							30	14.82	34.552	*****	25.68	231	232	0.0997
50	13.62	34.462	*****							50	13.62	34.462	*****	25.86	214	215	0.1444
70	11.52	34.353	*****							75	11.31	34.348	*****	26.23	179	181	0.1940
99	10.31	34.327	*****							100	10.24	34.325	*****	26.40	163	165	0.2374
149	7.13	34.232	*****							125	8.65	34.277	*****	26.62	142	144	0.2761
187	3.48	34.070	*****							150	7.03	34.227	*****	26.82	123	125	0.3098
218	2.27	34.035	*****							200	2.97	34.055	*****	27.15	092	093	0.3644
262	1.67	34.075	*****							250	1.83	34.064	*****	27.25	082	083	0.4085
305	1.25	34.075	*****							300	1.29	34.075	*****	27.30	078	078	0.4489
401	0.80	34.100	*****							400	0.80	34.099	*****	27.35	073	073	0.5247
490	0.41	34.063	*****														
KOREA .GYUNGBUG 853 , STATION 104-10 , 37-03.4. N, 130-56.4. E, JUL.13.1983, 17:25 KST, DEPTH 1800 , COLOR 3, TRANS. 12.0,																	
WAVE , SWELL , WIND SE 3, BARO 1011.5, AIR TEMP. DRY 25.7, WET , CLOUD. TYPE CU, AMT 04, WEATHER BC,																	
0	21.41	34.384	*****							0	21.41	34.384	*****	23.93	398	398	0.0000
10	20.22	34.377	*****							10	20.22	34.377	*****	24.24	368	368	0.0383
20	15.28	34.442	*****							20	15.28	34.442	*****	25.49	249	249	0.0692
30	13.92	34.444	*****							30	13.92	34.444	*****	25.79	221	222	0.0928
50	12.13	34.376	*****							50	12.13	34.376	*****	26.09	192	193	0.1343
70	10.51	34.319	*****							75	10.47	34.322	*****	26.36	167	169	0.1796

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
101	10.32	34.338	*****							100	10.32	34.337	*****	26.39	164	165	0.2215
123	10.27	34.305	*****							125	10.22	34.303	*****	26.39	164	167	0.2631
181	8.96	34.272	*****							150	9.66	34.289	*****	26.47	156	159	0.3040
210	6.23	34.195	*****							200	7.17	34.221	*****	26.80	125	128	0.3759
246	3.53	34.109	*****							250	3.47	34.109	*****	27.15	092	094	0.4316
302	2.12	34.119	*****							300	2.17	34.118	*****	27.27	080	081	0.4756
375	1.04	34.068	*****							400	0.92	34.075	*****	27.32	075	075	0.5545
426	0.80	34.084	*****														

KOREA .GYUNGBUG 853 . STATION 104-11 . 37-03.4. N, 131-15.3. E, JUL.13.1983, 19:30 KST, DEPTH 2325 , COLOR , TRANS.

WAVE , SWELL , WIND SE 2, BARO 1012. , AIR TEMP. DRY 23.0, WET , CLOUD. TYPE , AMT , WEATHER BC,

0	21.54	34.300	*****							0	21.54	34.300	*****	23.83	408	407	0.0000
10	20.43	34.256	*****							10	20.43	34.256	*****	24.10	382	382	0.0395
20	15.33	34.345	*****							20	15.33	34.345	*****	25.41	257	257	0.0715
30	13.95	34.384	*****							30	13.95	34.384	*****	25.74	226	227	0.0957
50	12.64	34.418	*****							50	12.64	34.418	*****	26.03	198	199	0.1384
74	10.95	34.300	*****							75	10.92	34.300	*****	26.26	176	178	0.1856
105	10.12	34.304	*****							100	10.25	34.303	*****	26.38	165	167	0.2288
146	9.89	34.304	*****							125	10.00	34.304	*****	26.42	161	163	0.2702
[illegible]	[illegible]	34.285	*****							150	[illegible]	[illegible]	*****	26.46	[illegible]	[illegible]	[illegible]
221	5.52	34.132	*****							200	7.12	34.201	*****	26.79	126	129	0.3831
250	2.86	34.069	*****							250	2.86	34.069	*****	27.17	090	091	0.4383
305	1.90	******	*****							300	1.98	34.107	*****	27.27	080	081	0.4814
342	1.62	******	*****							400	1.16	34.088	*****	27.32	076	076	0.5604
514	0.27	34.061	*****							500	0.37	34.064	*****	27.35	073	073	0.6353

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

8月(August)

KOREA .GYUNGBUG 853 . STATION 104-04 . 37-03.4. N. 129-26.8. E. AUG.11.1983. 05:50 KST. DEPTH 110 . COLOR . TRANS. .
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1015. , AIR TEMP. DRY 24.2, WET , CLOUD. TYPE ST, AMT 08, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	25.05	33.264	4.87							0	25.05	33.264	4.87	22.03	579	579	0.0000
10	23.79	33.245	4.97							10	23.79	33.245	4.97	22.39	545	545	0.0562
20	14.88	33.995	5.65							20	14.88	33.995	5.65	25.24	273	274	0.0971
30	11.32	34.278	5.68							30	11.32	34.278	5.68	26.17	185	185	0.1201
50	7.86	34.196	5.66							50	7.86	34.196	5.66	26.68	136	137	0.1524
75	4.23	34.007	6.23							75	4.23	34.007	6.23	26.99	107	107	0.1831
98	3.40	33.997	5.84														

KOREA .GYUNGBUG 853 . STATION 104-05 . 37-03.4. N. 129-33.6. E. AUG.11.1983. 06:35 KST. DEPTH 220 , COLOR 4, TRANS. 13.0,
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1015. , AIR TEMP. DRY 24.2. WET , CLOUD. TYPE ST, AMT 08, WEATHER C .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	24.36	33.485	4.87							0	24.36	33.485	4.87	22.41	543	543	0.0000
10	16.97	33.473	5.17							10	16.97	33.473	5.17	24.37	356	356	0.0450
20	14.91	34.011	5.65							20	14.91	34.011	5.65	25.24	273	273	0.0765
30	9.82	34.230	5.77							30	9.82	34.230	5.77	26.40	163	164	0.0984
50	6.81	34.060	5.94							50	6.81	34.060	5.94	26.72	132	133	0.1281
75	4.80	34.060	6.04							75	4.80	34.060	6.04	26.97	109	109	0.1585
101	3.16	34.057	6.04							100	3.22	34.057	6.04	27.13	094	094	0.1841
125	1.83	34.034	6.23							125	1.83	34.034	6.23	27.23	084	084	0.2065
150	1.56	34.037	5.94							150	1.56	34.037	5.94	27.25	082	082	0.2275
198	0.93	34.075	5.94														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 104-06 , 37-03.4. N, 129-47.6. E, AUG.11.1983. 08:10 KST. DEPTH 600 , COLOR 3, TRANS. 21.0,
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1015. , AIR TEMP. DRY 25.1, WET , CLOUD. TYPE ST, AMT 08, WEATHER C ,

0	25.75	33.419	4.87							0	25.75	33.419	4.87	21.94	588	588	0.0000
10	18.52	******	5.36							10	18.52	33.930	5.36	24.34	359	359	0.0474
20	15.59	34.441	5.55							20	15.59	34.441	5.55	25.42	256	256	0.0781
30	14.94	34.450	5.56							30	14.94	34.450	5.56	25.58	241	242	0.1031
50	13.38	34.404	5.66							50	13.38	34.404	5.66	25.87	213	214	0.1488
75	12.21	34.347	5.66							75	12.21	34.347	5.66	26.06	196	197	0.2003
100	9.90	34.263	5.65							100	9.90	34.263	5.65	26.41	162	164	0.2456
128	9.55	34.217	5.75							125	9.58	34.221	5.73	26.43	160	162	0.2865
152	8.85	34.185	5.84							150	8.90	34.187	5.83	26.51	152	155	0.3263
201	5.15	34.101	5.75							200	5.22	34.102	5.75	26.96	110	112	0.3933
249	2.14	34.061	5.75							250	2.12	34.060	5.75	27.23	084	085	0.4429
296	1.24	34.044	6.14							300	1.21	34.044	6.14	27.28	079	080	0.4843
394	0.67	34.049	6.14							400	0.65	34.049	6.10	27.32	076	076	0.5624
492	0.45	34.057	5.55														

KOREA .GYUNGBUG 853 . STATION 104-07 , 37-03.4. N, 130-00.0. E, AUG.11.1983. 09:45 KST, DEPTH 1050 , COLOR 3, TRANS. 21.0,
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1015. , AIR TEMP. DRY 25.8, WET , CLOUD. TYPE ST, AMT 07, WEATHER BC,

0	25.86	33.156	4.97							0	25.86	33.156	4.97	21.70	611	610	0.0000
10	22.37	33.528	5.16							10	22.37	33.528	5.16	23.01	485	485	0.0548
20	16.27	34.460	5.64							20	16.27	34.460	5.64	25.28	269	269	0.0926
30	14.96	34.463	5.47							30	14.96	34.463	5.47	25.58	241	241	0.1181
50	13.65	34.420	5.55							50	13.65	34.420	5.55	25.83	217	218	0.1642
75	11.01	34.314	5.64							75	11.01	34.314	5.64	26.25	177	178	0.2139

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	8.97	34.242	5.84							100	8.92	34.239	5.83	26.55	149	150	0.2551
127	7.67	34.180	5.75							125	7.76	34.184	5.75	26.68	136	138	0.2912
151	5.17	34.072	6.23							150	5.27	34.076	6.21	26.93	113	114	0.3228
200	2.23	34.033	6.43							200	2.23	34.033	6.43	27.20	087	088	0.3736
248	1.49	34.017	6.23							250	1.47	34.017	6.23	27.24	083	083	0.4167
296	1.18	34.033	6.43							300	1.16	34.033	6.40	27.27	080	080	0.4578
394	0.78	34.044	5.84							400	0.76	34.043	5.82	27.31	077	077	0.5367
491	0.50	34.041	5.55														

KOREA .GYUNGBUG 853 . STATION 104-08 . 37-03.4. N, 130-18.7. E, AUG.11.1983, 11:55 KST. DEPTH 720 , COLOR 3, TRANS. 20.0,
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1015. , AIR TEMP. DRY 29.0, WET . CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.32	33.066	4.68							0	26.32	33.066	4.68	21.49	631	630	0.0000
10	20.49	33.421	5.26							10	20.49	33.421	5.26	23.45	444	444	0.0537
20	17.42	34.052	5.55							20	17.42	34.052	5.55	24.70	324	325	0.0922
30	16.23	34.298	5.42							30	16.23	34.298	5.42	25.17	280	280	0.1225
50	14.35	34.407	5.48							50	14.35	34.407	5.48	25.67	232	233	0.1740
75	12.44	34.332	5.46							75	12.44	34.332	5.46	26.00	201	202	0.2286
99	10.37	34.292	5.45							100	10.34	34.291	5.45	26.35	167	169	0.2752
123	9.88	34.290	5.65							125	9.78	34.286	5.68	26.45	159	161	0.3165
151	8.57	34.243	6.15							150	8.61	34.244	6.13	26.60	144	146	0.3550
201	2.97	34.031	6.22							200	3.08	34.035	6.21	27.13	094	095	0.4136
250	2.31	34.009	6.12							250	2.31	34.009	6.12	27.17	090	091	0.4623
298	1.46	34.043	6.04							300	1.44	34.043	6.03	27.26	081	081	0.5055
395	0.81	34.061	5.65							400	0.79	34.060	5.65	27.32	076	076	0.5845
491	0.51	34.052	5.65														

KOREA .GYUNGBUG 853 . STATION 104-09 . 37-03.4. N, 130-37.6. E, AUG.11.1983. 14:00 KST, DEPTH 2340 , COLOR 3. TRANS. 22.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1014.5. AIR TEMP. DRY 29.5, WET , CLOUD. TYPE CI. AMT 03, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.49	33.233	4.77							0	26.49	33.233	4.77	21.57	624	624	0.0000
10	19.56	33.924	5.55							10	19.56	33.924	5.55	24.07	384	384	0.0504
20	17.72	34.226	5.72							20	17.72	34.226	5.72	24.76	319	319	0.0856
30	15.57	34.247	5.58							30	15.57	34.247	5.58	25.28	269	270	0.1151
50	15.20	34.395	5.68							50	15.20	34.395	5.68	25.48	251	252	0.1674
75	13.59	34.297	5.94							75	13.59	34.297	5.94	25.74	225	227	0.2274
99	11.12	34.281	5.55							100	11.06	34.280	5.56	26.22	180	182	0.2786
124	9.78	34.273	6.04							125	9.64	34.269	6.05	26.46	158	160	0.3215
154	5.69	34.163	6.43							150	6.23	34.177	6.37	26.89	116	118	0.3563
202	3.47	34.080	6.14							200	3.56	34.083	6.15	27.12	095	096	0.4101
250	1.94	34.062	6.04							250	1.94	34.062	6.04	27.24	083	084	0.4553
298	1.58	34.052	6.04							300	1.56	34.051	6.02	27.26	081	082	0.4969
395	0.87	34.041	5.55							400	0.85	34.040	5.57	27.30	078	078	0.5770
492	0.55	34.038	5.94														

KOREA .GYUNGBUG 853 . STATION 104-10 . 37-03.4. N, 130-56.4. E, AUG.11.1983, 16:10 KST, DEPTH 2325 . COLOR 3. TRANS. 22.0,
WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1014.5, AIR TEMP. DRY 29.2, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.03	33.310	4.77							0	27.03	33.310	4.77	21.45	635	634	0.0000
10	21.97	33.440	5.26							10	21.97	33.440	5.26	23.06	481	481	0.0558
20	18.33	34.459	5.75							20	18.33	34.459	5.75	24.79	316	316	0.0957
30	16.72	34.460	5.65							30	16.72	34.460	5.65	25.18	279	279	0.1255
50	14.94	34.431	5.47							50	14.94	34.431	5.47	25.56	243	244	0.1779
75	13.73	34.429	4.87							75	13.73	34.429	4.87	25.82	218	220	0.2360

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	11.12	34.308	5.45							100	11.09	34.307	5.47	26.23	179	181	0.2862
130	10.22	34.281	6.23							125	10.36	34.285	6.10	26.35	168	170	0.3302
155	7.10	34.212	6.04							150	7.72	34.225	6.07	26.72	132	134	0.3685
204	3.03	34.071	6.23							200	3.36	34.082	6.21	27.14	093	094	0.4259
252	2.10	34.055	5.94							250	2.13	34.055	5.95	27.22	085	086	0.4711
299	1.33	34.041	5.84							300	1.32	34.041	5.84	27.27	080	081	0.5130
396	0.88	34.058	5.94							400	0.87	34.057	5.92	27.31	076	076	0.5920
492	0.64	34.052	5.55														

KOREA .GYUNGBUG 853 , STATION 104-11 , 37-03.4. N, 131-15.3. E, AUG.11.1983, 18:15 KST, DEPTH 1800 , COLOR 3, TRANS. 22.0,
WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 27.7, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

0	26.91	33.939	4.68							0	26.91	33.939	4.68	21.96	586	585	0.0000
10	21.49	34.158	5.26							10	21.49	34.158	5.26	23.74	416	417	0.0501
20	16.92	34.146	5.36							20	16.92	34.146	5.36	24.89	306	307	0.0863
30	15.16	34.377	5.37							30	15.16	34.377	5.37	25.47	251	252	0.1143
50	14.13	34.404	5.26							50	14.13	34.404	5.26	25.71	228	229	0.1625
75	12.40	34.333	5.45							75	12.40	34.333	5.45	26.01	200	202	0.2164
99	9.59	34.251	5.45							100	9.53	34.249	5.45	26.46	157	159	0.2616
129	8.01	34.212	5.45							125	8.22	34.217	5.45	26.64	140	142	0.2994
153	4.73	34.146	5.45							150	5.14	34.154	5.45	27.01	105	107	0.3306
202	2.27	34.084	5.84							200	2.37	34.086	5.82	27.23	084	085	0.3788
250	1.32	******	5.75							250	1.32	34.074	5.75	27.30	078	078	0.4198
298	1.01	34.064	5.75							300	1.00	34.064	5.74	27.31	077	077	0.4588
395	0.66	34.076	5.65							400	0.65	34.075	5.65	27.34	074	074	0.5344
492	0.51	34.063	5.65														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

10月(October)

KOREA .GANGWON 854 . STATION 104-04 . 37-03.4. N, 129-28.8. E, OCT. 7.1983. 06:50 KST, DEPTH 110 . COLOR . TRANS.
WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1014.5. AIR TEMP. DRY 17.5, WET , CLOUD. TYPE ST, AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
0	21.37	31.965	5.20							0	21.37	31.965	5.20	22.11	572	572	0.0000
10	21.20	32.410	5.20							10	21.20	32.410	5.20	22.49	536	536	0.0554
20	21.19	32.751	5.20							20	21.19	32.751	5.20	22.75	511	511	0.1077
30	16.84	33.661	4.98							30	16.84	33.661	4.98	24.54	340	340	0.1504
50	14.12	34.319	5.10							50	14.12	34.319	5.10	25.65	234	235	0.2080
75	9.34	34.178	5.98							75	9.34	34.178	5.98	26.44	160	161	0.2576
98	6.04	34.111	5.99														

KOREA .GANGWON 854 . STATION 104-05 . 37-03.4. N. 129-33.6. E, OCT.10.1983. 07:25 KST. DEPTH 220 . COLOR 3, TRANS. 14.0,
WAVE S 1, SWELL S 1, WIND S 1, BARO 1015. , AIR TEMP. DRY 20.3, WET . CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
0	20.77	32.140	5.00							0	20.77	32.140	5.00	22.40	544	544	0.0000
10	20.71	32.286	5.00							10	20.71	32.286	5.00	22.53	532	532	0.0538
20	20.66	32.882	5.39							20	20.66	32.882	5.39	22.99	486	488	0.1048
30	14.75	33.902	4.80							30	14.75	33.902	4.80	25.19	277	278	0.1432
50	10.81	34.277	5.29							50	10.81	34.277	5.29	26.26	176	177	0.1888
75	7.83	34.189	5.49							75	7.83	34.189	5.49	26.68	137	137	0.2282
102	4.48	34.107	5.98							100	4.72	34.113	5.94	27.02	104	105	0.2586
125	2.94	34.063	5.88							125	2.94	34.063	5.88	27.16	091	091	0.2832
148	2.08	34.048	5.68							150	2.06	34.048	5.69	27.22	085	085	0.3054
195	1.65	34.053	5.98														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 104-06 . 37-03.4. N. 129-47.6. E, OCT.10.1983. 09:25 KST. DEPTH 600 . COLOR 3, TRANS. 16.0,																	
WAVE S 3, SWELL S 1, WIND S 3, BARO 1015. ; AIR TEMP. DRY 20.0, WET ; CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	21.59	32.562	4.90							0	21.59	32.562	4.90	22.50	535	534	0.0000
10	21.57	32.750	5.10							10	21.57	32.750	5.10	22.65	521	521	0.0527
20	21.43	32.814	5.20							20	21.43	32.814	5.20	22.73	512	513	0.1044
30	21.29	33.461	5.20							30	21.29	33.461	5.20	23.26	462	462	0.1532
50	16.64	34.188	5.10							50	16.64	34.188	5.10	24.99	297	298	0.2294
75	12.97	34.254	5.21							75	12.97	34.254	5.21	25.84	217	218	0.2940
98	9.01	34.239	5.20							100	8.82	34.234	5.22	26.56	148	149	0.3401
133	5.84	******	5.69							125	6.56	34.176	5.57	26.85	120	122	0.3741
156	4.24	34.125	5.88							150	4.65	34.134	5.83	27.04	102	103	0.4023
204	2.16	34.047	5.88							200	2.33	34.053	5.88	27.20	087	087	0.4501
251	1.29	34.043	6.18							250	1.30	34.043	6.17	27.27	080	080	0.4923
297	0.97	34.024	5.88							300	0.96	34.025	5.88	27.28	079	079	0.5324
394	0.73	34.060	5.98							400	0.72	34.060	5.97	27.32	075	075	0.6102
490	0.72	34.064	5.86														
KOREA .GANGWON 854 . STATION 104-07 . 37-03.4. N. 130-00.0. E, OCT.10.1983, 12:00 KST. DEPTH 1050 , COLOR 3, TRANS. 17.0,																	
WAVE S 4, SWELL S 1, WIND S 4, BARO 1015. , AIR TEMP. DRY 20.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B .																	
0	22.49	32.467	5.20							0	22.49	32.467	5.20	22.18	565	565	0.0000
10	22.40	32.418	5.10							10	22.40	32.418	5.10	22.17	566	566	0.0566
20	22.38	32.451	5.10							20	22.38	32.451	5.10	22.20	564	564	0.1131
30	22.35	33.444	5.20							30	22.35	33.444	5.20	22.96	491	492	0.1660
50	17.38	34.003	5.39							50	17.38	34.003	5.39	24.67	327	328	0.2480
75	13.97	34.331	5.10							75	13.97	34.331	5.10	25.69	230	232	0.3182

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
97	10.71	34.320	5.39							100	10.35	34.305	5.41	26.36	166	168	0.3683
135	6.27	34.141	5.69							125	7.43	34.188	5.61	26.73	131	133	0.4061
158	3.82	34.096	5.78							150	4.67	34.111	5.74	27.03	104	105	0.4360
205	2.01	34.069	6.08							200	2.20	34.071	6.04	27.23	084	085	0.4836
251	1.25	34.062	5.88							250	1.26	34.062	5.88	27.29	078	079	0.5247
297	1.19	34.084	5.78							300	1.18	34.083	5.78	27.31	076	076	0.5637
394	1.04	34.071	5.78							400	1.01	34.070	5.78	27.31	076	076	0.6407
489	0.66	34.066	5.88														

KOREA .GANGWON 854 , STATION 104-08 . 37-03.4. N. 130-16.7. E, OCT.10.1983, 15:00 KST. DEPTH 720 . , COLOR 3. TRANS. 17.0.
WAVE S 3. SWELL S 1, WIND S 3. BARO 1015. , AIR TEMP. DRY 21.0. WET . CLOUD. TYPE CI, AMT 01, WEATHER B ,

0	22.56	32.484	5.29							0	22.56	32.484	5.29	22.17	566	566	0.0000
10	22.38	32.418	5.30							10	22.38	32.418	5.30	22.17	566	566	0.0566
20	22.33	32.403	5.38							20	22.33	32.403	5.38	22.17	566	566	0.1132
30	21.81	33.200	5.49							30	21.81	33.200	5.49	22.92	494	495	0.1663
50	15.66	34.281	5.38							50	15.66	34.281	5.38	25.29	269	270	0.2429
75	12.13	34.335	5.39							75	12.13	34.335	5.39	26.06	195	196	0.3013
99	8.61	34.228	5.48							100	8.56	34.226	5.48	26.60	144	146	0.3442
130	7.25	34.189	5.69							125	7.46	34.195	5.65	26.74	131	133	0.3792
154	5.91	34.125	5.77							150	6.13	34.135	5.75	26.87	118	120	0.4109
203	3.74	34.085	5.78							200	3.87	34.087	5.77	27.09	097	099	0.4659
252	1.66	34.058	5.78							250	1.74	34.059	5.78	27.25	082	082	0.5114
298	1.61	34.085	5.98							300	1.60	34.084	5.97	27.29	079	079	0.5521
395	1.14	34.066	5.69							400	1.11	34.065	5.68	27.30	077	077	0.6311
491	0.65	34.060	5.58														

KOREA .GANGWON 854 . STATION 104-09 , 37-03.4. N, 130-37.6. E, OCT.10.1983, 17:20 KST, DEPTH 2340 , COLOR 3, TRANS. 16.5,

WAVE SE 3, SWELL SE 1, WIND SE 3, BARO 1013. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	21.86	32.087	5.30							0	21.86	32.087	5.30	22.07	576	576	0.0000
10	21.73	32.200	5.30							10	21.73	32.200	5.30	22.19	565	565	0.0570
20	21.46	32.307	5.30							20	21.46	32.307	5.30	22.34	550	550	0.1128
30	19.54	33.487	5.30							30	19.54	33.487	5.30	23.74	416	416	0.1612
50	15.34	34.335	5.11							50	15.34	34.335	5.11	25.40	258	259	0.2288
75	12.13	34.336	5.39							75	12.13	34.336	5.39	26.06	195	196	0.2859
100	9.28	34.224	5.58							100	9.28	34.224	5.58	26.48	155	157	0.3302
128	7.81	34.220	5.69							125	7.96	34.220	5.67	26.68	136	138	0.3671
153	5.45	34.158	5.88							150	5.73	34.165	5.85	26.94	111	113	0.3986
202	2.49	34.070	5.98							200	2.61	34.073	5.97	27.20	087	088	0.4491
251	2.44	34.072	6.18							250	2.44	34.071	6.17	27.21	086	087	0.4931
300	1.42	34.066	5.78							300	1.42	34.066	5.78	27.28	079	080	0.5350
398	1.35	34.064	5.69							400	1.33	34.063	5.69	27.29	079	079	0.6149
495	0.45	34.061	5.69														

KOREA .GANGWON 854 , STATION 104-10 , 37-03.4. N, 130-56.4. E, OCT.10.1983, 19:50 KST, DEPTH 1800 , COLOR , TRANS. ,

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1010.5, AIR TEMP. DRY 19.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	21.46	32.231	5.40							0	21.46	32.231	5.40	22.28	555	555	0.0000
10	21.47	32.177	5.30							10	21.47	32.177	5.30	22.24	559	559	0.0557
20	21.15	32.453	5.20							20	21.15	32.453	5.20	22.54	531	531	0.1103
30	18.62	33.925	5.59							30	18.62	33.925	5.59	24.31	362	362	0.1550
50	14.93	34.363	5.00							50	14.93	34.363	5.00	25.51	247	249	0.2162
75	12.80	34.323	5.00							75	12.80	34.323	5.00	25.92	208	210	0.2736

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	9.98	34.265	5.69							100	9.88	34.263	5.69	26.41	162	164	0.3204
129	7.24	34.205	5.79							125	7.60	34.213	5.77	26.73	132	133	0.3577
153	5.15	34.107	5.79							150	5.41	34.119	5.79	26.95	111	113	0.3886
201	4.92	34.066	6.07							200	4.92	34.066	6.06	26.96	110	111	0.4448
249	2.06	34.074	5.69							250	2.04	34.073	5.69	27.24	083	084	0.4938
296	1.18	34.065	5.78							300	1.15	34.064	5.77	27.30	078	076	0.5344
394	0.53	34.053	5.69							400	0.52	34.053	5.69	27.33	075	074	0.6109
490	0.45	34.064	5.69														

KOREA .GANGWON 854 , STATION 104-11 , 37-03.4. N, 131-15.3. E. OCT.10.1983, 22:10 KST, DEPTH 2325 , , COLOR , TRANS. ,
WAVE SW 2. SWELL SW 1, WIND SW 2, BARO 1010.5. AIR TEMP. DRY 19.6, WET , CLOUD. TYPE , AMT 02, WEATHER B ,

0	20.77	32.960	5.40							0	20.77	32.960	5.40	23.02	485	484	0.0000
10	20.66	33.264	5.30							10	20.66	33.264	5.30	23.28	460	460	0.0472
20	20.58	33.437	5.20							20	20.58	33.437	5.20	23.43	445	446	0.0925
30	19.92	33.960	5.49							30	19.92	33.960	5.49	24.01	391	391	0.1344
50	15.76	34.322	4.81							50	15.76	34.322	4.81	25.29	268	269	0.2006
75	13.36	34.377	5.10							75	13.36	34.377	5.10	25.85	215	217	0.2614
100	10.77	34.308	5.78							100	10.77	34.306	5.78	26.29	173	175	0.3105
129	8.53	34.218	5.69							125	8.83	34.230	5.70	26.56	148	150	0.3512
154	6.41	34.119	5.98							150	6.74	34.134	5.93	26.79	126	128	0.3861
202	3.08	34.077	5.78							200	3.21	34.078	5.78	27.15	092	093	0.4416
250	1.49	34.068	5.78							250	1.49	34.068	5.78	27.28	079	080	0.4851
297	1.11	34.074	5.88							300	1.09	34.074	5.88	27.31	076	077	0.5244
394	0.63	34.086	5.88							400	0.62	34.084	5.87	27.35	073	073	0.5995
491	0.59	34.067	5.78														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12月(December)

KOREA ,GANGWON 854 , STATION 104-04 , 37-03.4. N, 129-26.6. E, DEC. 5.1983, 10:40 KST, DEPTH 110 . , COLOR 3, TRANS. 16.0,
WAVE NW 4, SWELL NW 2, WIND NW 4, BARO 1012. , AIR TEMP. DRY 10.6, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.37	33.804	5.67							0	14.37	33.804	5.67	25.20	277	277	0.0000
10	14.39	33.815	5.57							10	14.39	33.815	5.57	25.20	277	276	0.0277
20	14.31	33.786	5.67							20	14.31	33.786	5.67	25.20	277	277	0.0554
30	14.26	33.829	5.47							30	14.26	33.829	5.47	25.24	273	273	0.0830
50	12.98	34.030	5.67							50	12.98	34.030	5.67	25.66	233	234	0.1338
75	7.14	33.991	5.37							75	7.14	33.991	5.37	26.62	142	143	0.1811
100	4.08	33.992	5.17							100	4.08	33.992	5.17	26.99	107	107	0.2124

KOREA ,GANGWON 854 , STATION 104-05 , 37-03.4. N, 129-33.6. E, DEC. 5.1983, 09:50 KST, DEPTH 220 , COLOR 3, TRANS. 16.0,
WAVE NW 4, SWELL NW 3, WIND NW 4, BARO 1012. , AIR TEMP. DRY 10.5, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.92	33.809	5.87							0	13.92	33.809	5.87	25.30	268	267	0.0000
10	13.99	33.815	5.47							10	13.99	33.815	5.47	25.29	269	268	0.0268
20	13.92	33.812	5.67							20	13.92	33.812	5.67	25.30	267	268	0.0536
30	13.91	33.829	5.67							30	13.91	33.829	5.67	25.32	266	266	0.0804
50	13.85	33.829	5.67							50	13.85	33.829	5.67	25.33	265	266	0.1337
75	13.75	33.829	5.47							75	13.75	33.829	5.47	25.35	263	264	0.2001
100	9.34	34.014	5.37							100	9.34	34.014	5.37	26.31	172	173	0.2549
125	5.70	34.062	5.57							125	5.70	34.062	5.57	26.87	119	120	0.2917
150	2.12	33.916	5.67							150	2.12	33.916	5.67	27.11	095	096	0.3188
198	1.29	33.916	5.67														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 104-06 , 37-03.4. N, 129-47.6. E, DEC. 5.1983, 08:00 KST, DEPTH 600 , COLOR 3, TRANS. 15.0,
WAVE NW 4, SWELL NW 3, WIND NW 4, BARO 1011.5, AIR TEMP. DRY 10.1, WET . CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.01	33.776	5.47							0	15.01	33.776	5.47	25.04	292	292	0.0000
10	14.99	33.781	5.57							10	14.99	33.781	5.57	25.05	291	291	0.0291
20	14.79	33.756	5.37							20	14.79	33.756	5.37	25.07	289	289	0.0582
30	14.67	33.768	5.67							30	14.67	33.768	5.67	25.11	286	286	0.0870
50	14.65	33.785	5.47							50	14.65	33.785	5.47	25.13	284	285	0.1442
75	14.38	33.855	5.48							75	14.38	33.855	5.48	25.24	273	275	0.2144
96	7.70	34.054	5.58							100	7.22	34.040	5.59	26.65	139	141	0.2665
135	3.03	33.918	5.77							125	4.22	33.952	5.72	26.95	111	112	0.2981
158	2.12	33.889	5.77							150	2.43	33.899	5.77	27.07	099	100	0.3247
204	1.21	33.889	5.87							200	1.28	33.889	5.86	27.15	092	092	0.3727
251	0.87	33.948	5.87							250	0.87	33.946	5.87	27.22	085	085	0.4171
296	0.79	33.928	5.87							300	0.78	33.927	5.85	27.21	086	086	0.4599
390	0.62	33.908	5.47							400	0.59	******	*****	*****	***	***	******
482	0.35	******	*****														

KOREA .GANGWON 854 . STATION 104-07 , 37-03.4. N, 130-00.0. E, DEC. 5.1983, 06:10 KST, DEPTH 1050 , COLOR . TRANS. ,
WAVE NW 4, SWELL NW 3, WIND NW 4, BARO 1011. . AIR TEMP. DRY 9.1, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.65	33.775	5.37							0	15.65	33.775	5.37	24.90	306	305	0.0000
10	15.63	33.751	5.37							10	15.63	33.751	5.37	24.89	307	307	0.0306
20	15.57	33.785	5.47							20	15.57	33.785	5.47	24.93	303	303	0.0612
30	15.41	33.755	5.57							30	15.41	33.755	5.57	24.94	302	302	0.0915
50	15.23	33.777	5.27							50	15.23	33.777	5.27	24.99	297	298	0.1516
75	15.08	33.977	5.48							75	15.08	33.977	5.46	25.18	279	281	0.2240

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
99	13.16	34.193	5.38							100	12.84	34.184	5.38	25.81	219	221	0.2869
128	3.49	33.943	5.47							125	4.49	33.968	5.46	26.93	112	113	0.3289
152	2.49	33.889	5.87							150	2.57	33.893	5.83	27.06	101	101	0.3558
200	2.24	33.891	5.87							200	2.24	33.891	5.87	27.08	098	099	0.4060
248	1.04	33.922	6.27							250	1.02	33.920	6.27	27.19	088	088	0.4528
295	0.72	33.898	6.27							300	0.70	33.900	6.25	27.20	087	087	0.4968
392	0.48	33.942	6.07							400	0.46	33.939	6.06	27.24	083	083	0.5821
489	0.34	33.914	5.97														

KOREA .GANGWON 854 , STATION 104-08 , 37-03.4. N, 130-18.7. E, DEC. 5.1983, 03:40 KST, DEPTH 720 , COLOR , TRANS. ,
WAVE NW 4, SWELL NW 3, WIND NW 4. BARO 1011. , AIR TEMP. DRY 6.6, WET , CLOUD. TYPE , AMT , WEATHER BC,

0	16.76	33.937	5.27							0	16.76	33.937	5.27	24.77	318	318	0.0000
10	16.74	33.896	5.27							10	16.74	33.896	5.27	24.74	320	320	0.0319
20	16.73	33.864	5.27							20	16.73	33.864	5.27	24.72	323	323	0.0641
30	16.72	33.833	5.27							30	16.72	33.833	5.27	24.70	325	325	0.0966
50	16.70	33.807	5.37							50	16.70	33.807	5.37	24.68	326	327	0.1619
75	16.63	33.772	5.47							75	16.63	33.772	5.47	24.67	327	329	0.2440
99	15.14	34.240	5.47							100	14.98	34.239	5.47	25.40	258	260	0.3178
133	9.90	34.206	5.47							125	11.13	34.214	5.47	26.15	186	189	0.3740
157	5.38	34.025	5.67							150	6.69	34.077	5.61	26.75	130	132	0.4142
205	3.34	33.956	5.77							200	3.55	33.963	5.75	27.02	104	105	0.4735
252	1.37	33.933	5.77							250	1.45	33.933	5.77	27.18	089	090	0.5224
298	0.82	33.961	5.97							300	0.81	33.960	5.96	27.24	083	083	0.5659
394	0.46	33.922	5.57							400	0.45	33.923	5.57	27.23	084	084	0.6499

KOREA .GANGWON 854 , STATION 104-09 , 37-03.4. N, 130-37.6. E, DEC. 5.1983, 01:10 KST, DEPTH 2340 , COLOR , TRANS. ,
WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1012. , AIR TEMP. DRY 10.0, WET , CLOUD. TYPE , AMT , WEATHER .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	16.57	33.818	5.27							0	16.57	33.818	5.27	24.72	322	322	0.0000
10	16.58	33.790	5.17							10	16.58	33.790	5.17	24.70	325	325	0.0323
20	16.56	33.797	5.17							20	16.56	33.797	5.17	24.71	324	324	0.0648
30	16.55	33.784	5.37							30	16.55	33.784	5.37	24.70	324	325	0.0973
50	16.53	33.774	5.17							50	16.53	33.774	5.17	24.70	325	326	0.1625
75	16.50	33.774	5.07							75	16.50	33.774	5.07	24.71	324	326	0.2441
97	16.42	34.072	5.57							100	16.31	[illegible]	5.53	[illegible]	[illegible]	300	0.3224
134	15.09	34.243	5.18							125	15.41	34.201	5.27	25.26	269	273	0.3940
158	11.48	34.163	5.47							150	[illegible]	34.189	5.37	25.84	216	219	0.4556
205	1.74	33.894	6.07							200	2.77	33.922	6.00	27.06	100	101	0.5359
253	2.24	33.881	[illegible]							250	2.20	33.881	6.16	27.08	099	099	0.5862
299	1.40	33.911	6.07							300	1.39	33.911	6.06	27.16	091	091	0.6340
384	[illegible]	33.910	5.97							400	0.61	33.910	*****	27.21	086	086	0.7229
489	0.39	33.918	*****														

KOREA .GANGWON 854 . STATION 104-10 . 37-03.4. N. 130-56.4. E. DEC. 4.1983, 22:20 KST, DEPTH 1800 , COLOR , TRANS. ,
WAVE NW 3, SWELL NW 2, WIND NW 3, BARO 1012. , AIR TEMP. DRY 10.0, WET , CLOUD. TYPE , AMT , WEATHER ,

0	16.39	33.770	5.37							0	16.39	33.770	5.37	24.73	322	322	0.0000
10	16.40	33.813	5.47							10	16.40	33.813	5.47	24.76	319	319	0.0320
20	16.37	33.776	5.27							20	16.37	33.776	5.27	24.74	321	321	0.0641
30	16.35	33.752	5.27							30	16.35	33.752	5.27	24.72	322	323	0.0963
50	16.34	33.756	5.27							50	16.34	33.756	5.27	24.73	322	323	0.1610
75	16.30	33.790	5.17							75	16.30	33.790	5.17	24.76	318	320	0.2416

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	16.20	34.191	5.47							100	16.08	34.192	5.48	25.12	284	287	0.3176
127	12.95	34.230	5.97							125	13.18	34.227	5.93	25.77	223	225	0.3817
152	10.46	34.125	5.77							150	10.65	34.133	5.78	26.18	184	187	0.4334
201	5.65	33.965	5.97							200	5.74	33.968	5.96	26.79	126	128	0.5126
249	2.55	33.884	6.07							250	2.52	33.884	6.06	27.05	101	102	0.5704
296	1.40	33.900	5.87							300	1.36	33.900	5.85	27.15	091	092	0.6190
394	0.56	33.900	5.57							400	0.56	33.900	5.55	27.20	087	086	0.7084
491	0.38	33.902	5.37														

KOREA .GANGWON 854 . STATION 104-11 . 37-03.4. N, 131-15.3. E, DEC. 4.1983, 19:55 KST. DEPTH 2325 , COLOR . TRANS.
WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1012. , AIR TEMP. DRY 9.4, WET , CLOUD. TYPE . AMT , WEATHER BC.

0	16.21	33.811	5.37							0	16.21	33.811	5.37	24.80	315	315	0.0000
10	16.24	33.764	5.27							10	16.24	33.764	5.27	24.76	319	319	0.0317
20	16.16	33.803	5.17							20	16.16	33.803	5.17	24.81	314	315	0.0634
30	16.07	33.795	*****							30	16.07	33.795	5.23	24.82	313	314	0.0949
50	15.80	33.822	5.37							50	15.80	33.822	5.37	24.90	305	306	0.1570
75	15.56	33.821	5.47							75	15.56	33.821	5.47	24.96	300	302	0.2332
97	15.24	34.130	5.58							100	15.23	34.127	5.58	25.26	271	274	0.3052
137	15.23	34.098	5.67							125	15.23	34.107	5.64	25.25	272	276	0.3740
160	13.89	34.266	5.77							150	14.47	34.192	5.72	25.48	251	254	0.4404
208	8.71	34.138	5.57							200	9.57	34.159	5.60	26.38	165	168	0.5462
254	4.31	33.986	5.77							250	4.69	33.999	5.75	26.93	112	114	0.6172
299	2.35	33.852	5.97							300	2.33	33.851	5.96	27.04	102	103	0.6717
395	1.14	33.850	5.67							400	1.11	33.850	5.64	27.13	094	094	0.7706
490	0.71	33.854	5.28														

103線 海洋觀測 成績

Oceanographic Data. Line 103

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2月(February)

KOREA .GYUNGBUG 853 . STATION 103-04 . 36-30.3. N. 129-30.1. E. FEB.11.1983. 12:25 KST. DEPTH 110 . COLOR 4. TRANS. 15.0.

WAVE NE 2. SWELL NE 2. WIND NE 3. BARO 1023.5. AIR TEMP. DRY 4.3, WET . CLOUD. TYPE CI. AMT 02, WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.75	34.390	6.76							0	11.75	34.390	6.76	26.18	184	184	0.0000
10	11.77	34.489	6.68							10	11.77	34.489	6.68	26.25	177	177	0.0180
20	11.83	34.451	6.51							20	11.83	34.451	6.51	26.21	181	181	0.0360
30	11.65	34.466	6.53							30	11.65	34.466	6.53	26.25	177	177	0.0540
48	11.06	34.409	6.57							50	10.24	34.371	6.52	26.43	160	160	0.0878
62	5.35	34.147	6.23							75	3.69	34.109	6.49	27.13	094	094	0.1198
88	2.03	34.072	6.76														

KOREA .GYUNGBUG 853 . STATION 103-05 . 36-30.3. N, 129-35.4. E, FEB.11.1983. 13:15 KST, DEPTH 205 , COLOR 4. TRANS. 15.0,

WAVE NW 2, SWELL NW 2, WIND NW 4, BARO 1023. , AIR TEMP. DRY 4.4, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.05	34.496	6.95							0	13.05	34.496	6.95	26.01	200	200	0.0000
10	12.94	34.462	6.83							10	12.94	34.462	6.83	26.00	201	201	0.0200
20	13.04	34.456	6.86							20	13.04	34.456	6.86	25.98	203	203	0.0403
30	11.27	34.519	6.79							30	11.27	34.519	6.79	26.37	166	167	0.0588
50	7.93	34.259	6.58							50	7.93	34.259	6.58	26.72	133	133	0.0889
67	3.84	34.293	6.73							75	3.67	34.304	6.72	27.28	079	079	0.1156
106	3.02	34.351	6.71							100	3.14	34.342	6.71	27.36	072	072	0.1346
114	1.89	34.065	6.63							125	1.79	34.057	6.56	27.25	082	082	0.1541
135	1.70	34.051	6.51							150	1.67	34.052	6.48	27.25	082	082	0.1747
180	1.62	34.056	6.43														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 , STATION 103-06 , 36-30.3. N. 129-47.3. E. FEB.11.1983. 14:40 KST. DEPTH 235 , COLOR 3. TRANS. 18.0,

WAVE NW 2, SWELL NW 2, WIND NW 4, BARO 1012.5. AIR TEMP. DRY 2.5, WET , CLOUD. TYPE CI. AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.79	34.435	6.72							0	12.79	34.435	6.72	26.01	200	200	0.0000
10	12.75	34.448	6.92							10	12.75	34.448	6.92	26.03	198	198	0.0199
20	12.83	34.459	6.81							20	12.83	34.459	6.81	26.02	199	199	0.0398
30	12.88	34.439	6.76							30	12.88	34.489	6.76	26.00	201	202	0.0599
50	12.81	34.435	6.66							50	12.81	34.435	6.66	26.01	200	201	0.1003
77	12.67	34.430	6.71							75	12.68	34.430	6.70	26.03	198	200	0.1505
92	12.70	34.442	6.66							100	12.29	34.400	6.69	26.08	193	195	0.2000
124	11.09	34.277	6.81							125	10.48	34.281	6.79	26.32	170	173	0.2461
132	6.28	34.313	*****							150	4.54	34.247	6.45	27.15	092	093	0.2795
167	2.90	34.186	6.23							200	1.82	34.044	6.23	27.24	084	084	0.3240
201	1.79	34.040	6.23														

KOREA .GYUNGBUG 853 , STATION 103-07 , 36-30.3. N. 130-00.0. E, FEB.11.1983, 16:05 KST, DEPTH 850 . COLOR 3, TRANS. 18.0,

WAVE NW 2, SWELL NW 2, WIND NW 4, BARO 1022. , AIR TEMP. DRY 3.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.29	34.180	7.12							0	11.29	34.180	7.12	26.10	191	191	0.0000
10	11.42	34.229	6.97							10	11.42	34.229	6.97	26.11	190	190	0.0191
20	11.26	34.208	6.92							20	11.26	34.208	6.92	26.13	189	189	0.0381
30	11.31	34.205	6.82							30	11.31	34.205	6.82	26.12	190	190	0.0571
50	11.30	34.193	6.80							50	11.30	34.193	6.80	26.11	191	192	0.0954
73	11.32	34.191	6.92							75	11.31	34.194	6.89	26.10	191	192	0.1435
111	11.31	34.248	6.51							100	11.31	34.231	6.62	26.14	188	190	0.1914
125	11.30	34.185	6.97							125	11.30	34.185	6.97	26.10	191	194	0.2395
135	10.70	34.226	6.76							150	9.99	34.180	6.62	26.33	170	172	0.2854

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
180	8.57	34.089	6.34							200	5.48	34.071	6.32	26.90	116	118	0.3582
224	1.79	34.051	6.31							250	1.45	34.048	6.37	27.27	081	081	0.4081
[illegible]	1.23	34.047	6.41							300	1.02	34.055	6.47	27.30	077	077	0.4479
341	0.76	34.067	6.56							400	0.62	34.066	6.47	27.34	074	074	0.5241
427	0.58	34.066	6.43														

KOREA .GYUNGBUG 853 . STATION 103-08 , 36-30.3. N. 130-18.6. E, FEB.11.1983, 18:15 KST. DEPTH 198 . COLOR . TRANS. .
WAVE NW 2. SWELL NW 2, WIND NW 4, BARO 1022. , AIR TEMP. DRY 2.6, WET . CLOUD. TYPE CI, AMT 02. WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.52	34.255	6.71							0	11.52	34.255	6.71	26.12	190	190	.0000
10	11.71	34.276	6.71							10	11.71	34.276	6.71	26.10	192	192	0.0191
20	11.74	34.256	6.43							20	11.74	34.256	6.43	26.08	194	194	0.0384
30	11.71	34.265	6.66							30	11.71	34.265	6.66	26.09	193	193	0.0578
50	11.70	34.257	6.72							50	11.70	34.257	6.72	26.08	193	194	0.0966
85	11.66	34.253	6.86							75	11.67	34.254	6.82	26.09	193	194	0.1452
105	11.61	34.248	7.02							100	11.62	34.249	6.98	26.09	192	194	0.1939
117	11.61	******	7.02							125	11.39	34.196	6.92	26.09	192	195	0.2426
141	10.95	34.156	6.73							150	10.26	34.145	6.67	26.26	177	179	0.2875
175	8.35	34.117	6.51														

KOREA .GYUNGBUG 853 . STATION 103-09 , 36-30.3. N. 130-37.3. E. FEB.11.1983. 20:20 KST. DEPTH 2150 . COLOR . TRANS. .
WAVE N 2, SWELL N 2. WIND NW 3. BARO 1022. , AIR TEMP. DRY 1.0. WET . CLOUD. TYPE CU, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.52	34.313	6.61							0	11.52	34.313	6.61	26.16	186	185	0.0000
10	11.52	34.218	6.67							10	11.52	34.218	6.67	26.09	193	193	0.0189
20	11.57	34.149	6.60							20	11.57	34.149	6.60	26.02	199	199	0.0385
30	11.56	34.212	6.62							30	11.56	34.212	6.62	26.07	194	194	0.0582
50	11.56	34.191	6.61							50	11.56	34.191	6.61	26.06	195	196	0.0974

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
81	11.55	34.220	6.76							75	11.55	34.214	6.73	26.08	194	195	0.1464
108	11.55	34.273	7.02							100	11.55	34.257	6.94	26.11	190	192	0.1949
141	11.46	34.182	7.04							125	11.50	34.226	7.02	26.10	192	194	0.2434
178	10.65	34.194	6.81							150	11.26	34.184	6.98	26.11	191	194	0.2920
206	6.18	34.112	6.54							200	7.13	34.129	6.59	26.73	132	134	0.3743
276	2.47	34.054	6.52							250	3.84	34.075	6.52	27.08	098	100	0.4330
306	1.40	34.041	6.41							300	1.61	34.043	6.43	27.25	082	083	0.4789
414	0.61	34.026	6.23							400	0.71	34.027	6.25	27.30	078	078	0.5595
518	0.40	34.034	6.19							500	0.43	34.032	6.19	27.32	076	075	0.6364

KOREA ,GYUNGBUG 853 . STATION 103-10 . 36-30.3. N, 130-55.6. E, FEB.11.1983, 22:30 KST, DEPTH 1800 . COLOR . TRANS.
WAVE NW 2, SWELL NW 2. WIND NW 3, BARO 1022. , AIR TEMP. DRY 2.0, WET . CLOUD. TYPE , AMT . WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.69	34.207	6.61							0	11.69	34.207	6.61	26.05	196	196	0.0000
10	11.77	34.213	6.62							10	11.77	34.213	6.62	26.04	197	197	0.0197
20	11.77	34.214	6.51							20	11.77	34.214	6.51	26.04	197	198	0.0395
30	11.76	34.230	6.49							30	11.76	34.230	6.49	26.05	196	196	0.0592
50	11.78	34.213	6.78							50	11.78	34.213	6.78	26.03	198	199	0.0988
78	11.80	34.308	6.71							75	11.79	34.297	6.71	26.10	192	193	0.1479
108	11.70	34.220	6.97							100	11.72	34.243	6.90	26.07	194	196	0.1968
124	11.63	34.204	6.83							125	11.61	34.201	6.82	26.06	196	198	0.2462
148	11.25	34.149	6.79							150	11.19	34.148	6.77	26.09	192	195	0.2955
202	9.83	34.129	6.28							200	9.88	34.129	6.29	26.31	172	175	0.3884
251	4.80	34.127	6.57							250	4.90	34.127	6.56	27.01	105	107	0.4593
300	2.11	34.061	6.42							300	2.11	34.061	6.42	27.23	084	085	0.5077
406	0.81	34.032	6.13							400	0.88	34.033	6.14	27.29	078	078	0.5900
[illegible]	0.46	34.041	6.05							500	0.49	34.039	6.05	27.32	076	075	0.6672

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 103-11 . 36-30.3. N, 131-14.0. E, FEB.12.1983, 00:35 KST, DEPTH 2100 , COLOR . TRANS.																	
WAVE NW 2. SWELL NW 2, WIND NW 3, BARO 1022. , AIR TEMP. DRY 2.0, WET . CLOUD. TYPE , AMT , WEATHER .																	
0	11.50	34.256	6.80							0	11.50	34.256	6.80	26.12	190	189	0.0000
10	11.67	34.215	6.81							10	11.67	34.215	6.81	26.06	196	195	0.0192
20	11.67	34.268	*****							20	11.67	34.268	6.72	26.10	192	192	0.0387
30	11.69	34.216	6.63							30	11.69	34.216	6.63	26.05	196	196	0.0581
50	11.71	34.209	6.63							50	11.71	34.209	6.63	26.04	197	198	0.0976
74	11.71	34.215	6.63							75	11.71	34.214	6.63	26.05	196	198	0.1471
102	11.71	34.207	6.63							100	11.71	34.207	6.63	26.04	197	199	0.1968
169	11.05	34.236	6.40							125	11.48	34.216	6.55	26.09	192	195	0.2461
192	10.88	34.236	6.71							150	11.23	34.227	6.46	26.15	187	190	0.2944
238	7.22	34.227	6.21							200	10.24	34.234	6.62	26.33	170	174	0.3855
285	3.74	34.163	6.45							250	6.33	34.210	6.27	26.90	115	118	0.4588
319	2.05	34.043	6.59							300	2.99	34.110	6.51	27.19	088	089	0.5109
392	0.92	34.034	*****							400	0.88	34.034	6.29	27.29	078	078	0.5952
480	0.57	34.034	6.00														

4月(April)

KOREA .GYUNGBUG 853 . STATION 103-04 . 36-30.3. N, 129-30.1. E. APR. 9.1983. 13:30 KST. DEPTH 110 , COLOR 4. TRANS. 10.0,

WAVE NW 1. SWELL NW 1, WIND NW 3, BARO 1013. , AIR TEMP. DRY 15.5. WET . CLOUD. TYPE NS, AMT 10, WEATHER C .

0	12.77	34.344	6.38							0	12.77	34.344	6.38	25.94	206	206	0.0000
10	12.70	34.352	6.12							10	12.70	34.352	6.12	25.96	204	204	0.0205
20	8.75	34.351	6.00							20	8.75	34.351	6.00	26.67	138	138	0.0377
30	7.70	34.342	5.98							30	7.70	34.342	5.98	26.82	123	124	0.0506

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	6.79	34.277	5.83							50	6.79	34.277	5.83	26.89	116	116	0.0749
62	3.35	34.093	5.47							75	2.28	34.056	5.38	27.21	086	086	0.1003
75	2.28	34.056	5.38														

KOREA .GYUNGBUG 853 , STATION 103-05 . 36-30.3. N, 129-35.4. E, APR.19.1983, 12:35 KST. DEPTH 205 ., COLOR 3, TRANS. 11.0,
WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1014. , AIR TEMP. DRY 14.8, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	13.13	34.322	6.00							0	13.13	34.322	6.00	25.86	215	214	0.0000
10	13.11	34.347	6.12							10	13.11	34.347	6.12	25.88	212	212	0.0213
20	12.65	34.443	6.37							20	12.65	34.443	6.37	26.05	197	197	0.0418
30	12.03	34.418	6.00							30	12.03	34.418	6.00	26.15	187	187	0.0611
50	5.14	34.175	5.83							50	5.14	34.175	5.83	27.02	104	104	0.0904
69	2.30	34.062	5.87							75	2.19	34.063	5.78	27.22	085	085	0.1141
99	1.77	34.067	5.43							100	1.75	34.066	5.42	27.26	081	081	0.1350
124	1.51	34.058	5.38							125	1.50	34.058	5.39	27.27	080	080	0.1554
155	1.27	34.060	5.83							150	1.30	34.059	5.75	27.29	079	079	0.1754
201	1.14	34.064	5.70							200	1.14	34.063	5.70	27.30	078	078	0.2147

KOREA .GYUNGBUG 853 , STATION 103-06 . 36-30.3. N, 129-47.3. E. APR.19.1983. 11:10 KST. DEPTH 235 . COLOR 3. TRANS. 11.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1014. , AIR TEMP. DRY 13.5, WET . CLOUD. TYPE NS. AMT 10, WEATHER C .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.13	34.455	6.12							0	14.13	34.455	6.12	25.75	224	224	0.0000
10	14.15	34.467	6.09							10	14.15	34.467	6.09	25.76	224	224	0.0224
20	14.05	34.501	6.00							20	14.05	34.501	6.00	25.81	219	220	0.0446
30	13.74	34.513	5.57							30	13.74	34.513	5.57	25.88	212	213	0.0663
50	12.28	34.442	5.83							50	12.28	34.442	5.83	26.12	190	191	0.1068
64	10.79	34.348	5.41							75	10.06	34.321	5.40	26.43	160	162	0.1510
100	8.41	34.261	5.40							100	8.41	34.261	5.40	26.65	139	141	0.1889

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
111	6.38	34.167	5.72							125	4.58	34.125	5.82	27.05	102	103	0.2195
140	2.67	34.080	5.93							150	2.37	34.074	5.83	27.22	085	086	0.2432
190	1.21	34.054	5.47							200	1.14	34.056	5.44	27.29	078	078	0.2844
224	0.98	34.062	5.37														

KOREA .GYUNGBUG 853 . STATION 103-07 . 36-30.3. N, 130-00.0. E, APR.19.1983. 09:30 KST, DEPTH 250 , COLOR 3, TRANS. 13.0,
WAVE NW 1. SWELL NW 1, WIND NW 2. BARO 1014. , AIR TEMP. DRY 12.5, WET . CLOUD. TYPE . AMT , WEATHER R ,

0	13.75	34.379	5.65							0	13.75	34.379	5.65	25.77	222	222	0.0000
10	13.04	34.417	6.05							10	13.04	34.417	6.05	25.95	206	206	0.0214
20	12.97	34.397	6.00							20	12.97	34.397	6.00	25.95	206	206	0.0421
30	12.70	34.426	5.72							30	12.70	34.426	5.72	26.02	199	199	0.0624
50	11.38	34.366	5.83							50	11.38	34.366	5.83	26.23	179	180	0.1004
74	10.95	34.352	5.90							75	10.89	34.345	5.87	26.30	172	174	0.1448
91	10.00	34.235	5.55							100	9.72	34.184	5.62	26.36	165	167	0.1875
120	9.12	34.073	5.80							125	8.83	34.067	5.85	26.43	160	162	0.2287
145	7.71	34.047	6.05							150	7.14	34.051	5.97	26.67	137	139	0.2666
190	2.62	34.085	5.40							200	2.32	34.074	5.61	27.22	085	086	0.3231
225	1.58	34.048	6.15							250	1.41	34.046	5.99	27.27	081	081	0.3649
313	1.00	34.044	5.60							300	1.08	34.044	5.68	27.29	079	079	0.4051
426	0.49	34.029	6.05							400	0.60	34.032	5.94	27.31	077	076	0.4832
508	0.46	34.044	5.51							500	0.46	34.042	5.56	27.33	075	075	0.5593

KOREA .GYUNGBUG 853 . STATION 103-08 . 36-30.3. N. 130-18.6. E, APR.19.1983, 07:25 KST, DEPTH 198 . COLOR 3, TRANS. 9.0,
WAVE NW 1, SWELL NW 1, WIND NW 1. BARO 1014. . AIR TEMP. DRY 12.0, WET . CLOUD. TYPE , AMT , WEATHER R ,

0	12.43	34.364	6.02							0	12.43	34.364	6.02	26.03	198	198	0.0000
10	12.33	34.404	6.20							10	12.33	34.404	6.20	26.08	194	194	0.0196

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	11.40	34.374	6.30							20	11.40	34.374	6.30	26.23	179	179	0.0383
30	11.40	34.411	6.80							30	11.40	34.411	6.80	26.26	176	177	0.0561
50	10.42	34.368	5.92							50	10.42	34.368	5.92	26.40	163	164	0.0902
70	10.38	34.299	6.00							75	10.34	34.299	5.98	26.36	167	168	0.1318
103	10.18	******	5.90							100	10.19	34.304	5.90	26.39	164	166	0.1737
131	10.02	34.272	5.70							125	10.05	34.279	5.74	26.40	163	166	0.2152
150	8.85	34.258	5.90							150	8.85	34.258	5.90	26.58	146	149	0.2546
194	4.39	34.118	5.70														

KOREA .GYUNGBUG 853 . STATION 103-09 . 36-30.3. N, 130-37.3. E, APR.19.1983. 05:15 KST, DEPTH 2150 . COLOR . TRANS. .

WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1016. , AIR TEMP. DRY 12.5, WET , CLOUD. TYPE , AMT , WEATHER R ,

0	11.92	34.252	6.40							0	11.92	34.252	6.40	26.04	197	197	0.0000
10	11.79	34.256	6.62							10	11.79	34.256	6.62	26.07	195	195	0.0196
20	11.18	34.255	6.30							20	11.18	34.255	6.30	26.18	184	184	0.0386
30	12.86	34.317	6.70							30	12.86	34.317	6.70	25.91	210	210	0.0583
50	10.46	34.282	6.20							50	10.46	34.282	6.20	26.33	170	171	0.0965
73	10.35	34.161	5.90							75	10.33	34.157	5.88	26.25	177	178	0.1403
100	10.18	34.114	5.70							100	10.18	34.114	5.70	26.24	178	179	0.1851
126	10.07	34.088	5.65							125	10.07	34.089	5.65	26.24	178	180	0.2302
150	9.92	34.081	5.79							150	9.92	34.081	5.79	26.26	176	179	0.2751
210	7.64	34.063	6.10							200	8.02	34.066	6.04	26.55	148	151	0.3579
236	4.21	33.990	5.50							250	3.57	33.969	5.52	27.03	103	105	0.4223
289	1.82	33.914	5.60							300	1.68	33.915	5.57	27.14	092	093	0.4720
371	0.80	33.923	5.42							400	0.73	33.912	5.67	27.20	087	086	0.5621
437	0.65	33.898	6.00														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 , STATION 103-10 . 36-30.3. N. 130-55.6. E, APR.19.1983, 03:10 KST. DEPTH 1800 . COLOR . TRANS. .

WAVE SE 1. SWELL SE 1, WIND SE 1, BARO 1017.5, AIR TEMP. DRY 12.5, WET , CLOUD. TYPE . AMT . WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.82	34.237	6.21							0	11.82	34.237	6.21	26.05	197	196	0.0000
10	11.63	34.267	6.21							10	11.63	34.267	6.21	26.10	191	191	0.0194
20	11.36	34.248	5.90							20	11.36	34.248	5.90	26.14	188	188	0.0384
30	10.90	34.290	5.60							30	10.90	34.290	5.60	26.26	177	177	0.0566
50	10.61	34.295	6.12							50	10.61	34.295	6.12	26.31	171	172	0.0917
87	10.33	34.295	6.00							75	10.42	34.295	6.05	26.34	168	170	0.1345
112	10.17	34.254	5.61							100	10.24	34.273	5.79	26.36	167	169	0.1769
115	10.20	34.258	5.85							125	10.11	34.261	5.90	26.37	166	168	0.2191
141	9.98	34.266	6.00							150	9.70	34.255	5.96	26.44	160	162	0.2605
178	8.86	34.224	5.85							200	7.24	34.175	5.73	26.75	130	132	0.3344
242	4.15	34.082	5.51							250	3.78	34.074	5.54	27.09	097	099	0.3926
290	1.93	34.038	5.70							300	1.63	34.038	5.68	27.23	084	085	0.4388
406	0.83	34.047	5.50							400	0.88	34.046	5.51	27.30	077	077	0.5203
492	0.48	34.033	5.20														

KOREA .GYUNGBUG 853 . STATION 103-11 . 36-30.3. N. 131-14.0. E. APR.19.1983, 01:00 KST, DEPTH 2100 , COLOR . TRANS. .

WAVE SE 1. SWELL SE 1, WIND SE 3. BARO 1019. , AIR TEMP. DRY , WET , CLOUD. TYPE . AMT , WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.15	34.313	6.85							0	12.15	34.313	6.85	26.04	197	197	0.0000
10	12.12	34.340	6.31							10	12.12	34.340	6.31	26.07	194	194	0.0196
20	10.72	34.275	6.50							20	10.72	34.275	6.50	26.28	175	175	0.0381
30	10.35	******	6.21							30	10.35	34.275	6.21	26.34	169	169	0.0553
50	10.28	34.275	5.71							50	10.28	34.275	5.71	26.35	167	168	0.0891
88	10.20	34.278	5.85							75	10.22	34.276	5.80	26.36	166	168	0.1312

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
106	10.10	34.278	5.90							100	10.13	34.278	5.88	26.38	165	167	0.1731
123	10.07	34.276	6.50							125	10.05	34.275	6.45	26.39	164	166	0.2148
139	9.97	34.275	6.15							150	9.78	34.273	6.09	26.44	160	162	0.2559
169	9.47	34.271	6.00							200	7.20	34.202	5.92	26.78	127	130	0.3292
248	3.69	34.097	5.82							250	3.61	34.095	5.81	27.12	094	096	0.3859
294	1.86	34.061	5.61							300	1.80	34.061	5.61	27.25	082	083	0.4308
401	0.81	34.065	5.72							400	0.81	34.064	5.71	27.32	075	075	0.5104
483	0.45	34.054	5.61														

6月(June)

KOREA .GYUNGBUG 853 . STATION 103-04 , 36-30.3. N, 129-30.1. E, JUN.15.1983, 13:20 KST, DEPTH 110 , COLOR 5. TRANS. 6.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1012. , AIR TEMP. DRY 21.5, WET , CLOUD. TYPE CU, AMT 08, WEATHER C ,

0	14.25	33.930	5.68							0	14.25	33.930	5.68	25.32	265	265	0.0000
10	13.20	33.945	5.88							10	13.20	33.945	5.88	25.55	244	244	0.0254
20	10.92	34.023	6.08							20	10.92	34.023	6.08	26.04	197	197	0.0475
30	7.98	34.070	6.08							30	7.98	34.070	6.08	26.56	147	148	0.0648
50	4.86	34.067	6.08							50	4.86	34.067	6.08	26.97	109	109	0.0906
66	3.19	34.055	6.20							75	3.02	34.060	6.07	27.15	092	092	0.1158
95	2.65	34.074	5.80														

KOREA ,GYUNGBUG 853 , STATION 103-05 , 36-30.3. N, 129-35.4. E, JUN.15.1983, 12:25 KST, DEPTH 205 , COLOR 7, TRANS. 7.0,
WAVE SW 1, SWELL SW 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 25.0, WET , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	15.82	34.238	5.93							0	15.82	34.238	5.93	25.22	275	275	0.0000
10	14.02	34.197	6.01							10	14.02	34.197	6.01	25.58	241	241	0.0258
20	7.52	34.225	5.47							20	7.52	34.225	5.47	26.75	130	130	0.0444

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	6.74	34.174	5.86							30	6.74	34.174	5.86	26.82	123 .	123	0.0571
50	3.80	34.100	5.78							50	3.80	34.100	5.78	27.11	096	096	0.0791
70	2.52	34.104	5.79							75	2.42	34.098	5.79	27.23	084	084	0.1017
106	1.84	34.065	5.81							100	1.95	34.071	5.80	27.25	082	082	0.1226
126	1.72	34.102	5.88							125	1.72	34.100	5.87	27.29	079	079	0.1429
148	1.33	34.086	5.90							150	1.32	34.086	5.89	27.31	077	077	0.1625
203	1.16	34.086	5.78							200	1.16	34.086	5.78	27.32	076	076	0.2010

KOREA .GYUNGBUG 853 . STATION 103-06 . 36-30.3. N, 129-47.3. E, JUN.15.1983. 11:00 KST, DEPTH 235 . COLOR 3, TRANS. 12.0,
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1012. , AIR TEMP. DRY 22.5. WET . CLOUD. TYPE CU, AMT 09, WEATHER C ,

0	18.48	******	5.80							0	18.48	******	5.80	*****	***	***	******
10	18.35	33.946	5.78							10	18.35	33.946	5.78	24.39	354	354	******
20	17.59	34.009	5.70							20	17.59	34.009	5.70	24.63	331	332	******
30	14.67	34.267	5.63							30	14.67	34.267	5.63	25.49	249	250	******
50	14.19	34.398	5.47							50	14.19	34.398	5.47	25.70	230	231	******
57	10.43	34.357	5.47							75	5.58	34.211	5.64	27.00	106	107	******
77	5.05	34.195	5.66							100	2.45	34.081	5.98	27.22	085	086	******
102	2.23	34.072	6.01							125	1.80	34.059	6.08	27.25	082	082	******
123	1.81	34.059	6.08							150	1.68	34.067	6.08	27.27	081	081	******
163	1.63	34.071	6.08							200	1.63	34.091	5.71	27.29	079	079	******
204	1.63	34.094	5.68														

KOREA .GYUNGBUG 853 . STATION 103-07 . 36-30.3. N, 130-00.0. E. JUN.15.1983. 09:20 KST. DEPTH 850 . COLOR 3. TRANS. 12.0,
WAVE NW 1. SWELL NW 1. WIND NW 2. BARO 1012. , AIR TEMP. DRY 22.0, WET . CLOUD. TYPE CU, AMT 08, WEATHER C ,

0	17.99	33.992	6.08							0	17.99	33.992	6.08	24.52	342	342	0.0000
10	17.94	34.004	5.78							10	17.94	34.004	5.78	24.54	340	340	0.0341

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	17.67	34.325	6.08							20	17.67	34.325	6.08	24.85	310	311	0.0666
30	14.44	34.282	5.69							30	14.44	34.282	5.69	25.55	243	244	0.0944
50	14.36	34.464	5.37							50	14.36	34.464	5.37	25.71	228	229	0.1418
78	12.85	34.492	5.37							75	13.01	34.489	5.37	26.01	200	202	0.1959
93	5.22	34.203	5.83							100	4.92	34.189	5.81	27.06	100	101	0.2338
138	3.30	34.114	5.72							125	3.85	34.139	5.75	27.13	093	094	0.2584
158	2.06	34.066	6.04							150	2.55	34.085	5.91	27.21	086	086	0.2811
211	1.29	34.090	6.09							200	1.44	34.085	6.07	27.30	078	078	0.3224
258	1.02	34.088	6.06							250	1.06	34.088	6.06	27.33	075	075	0.3610
320	0.81	34.098	6.08							300	0.87	34.094	6.07	27.34	074	074	0.3984
430	0.55	34.095	5.83							400	0.62	34.095	5.89	27.36	072	072	0.4716
520	0.46	34.095	5.58							500	0.48	34.095	5.63	27.37	071	071	0.5435

KOREA .GYUNGBUG 853 . STATION 103-08 . 36-30.3. N. 130-18.6. E. JUN.15.1983. 07:15 KST. DEPTH 198 , COLOR 3. TRANS. 12.0.

WAVE SE 1, SWELL SE 1, WIND SE 2. BARO 1012. . AIR TEMP. DRY 20.0, WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	18.31	34.445	5.57							0	18.31	34.445	5.57	24.79	316	316	0.0000
10	18.29	34.460	5.73							10	18.29	34.460	5.73	24.80	315	315	0.0316
20	18.20	34.449	5.73							20	18.20	34.449	5.73	24.82	314	314	0.0630
30	18.20	34.442	5.52							30	18.20	34.442	5.52	24.81	314	315	0.0945
50	15.73	34.397	5.79							50	15.73	34.397	5.79	25.36	262	263	0.1524
78	13.34	34.452	5.76							75	13.59	34.446	5.76	25.86	214	216	0.2124
98	11.23	34.418	5.78							100	10.94	34.406	5.78	26.34	169	171	0.2609
119	8.26	34.299	5.88							125	7.34	34.264	5.85	26.81	124	126	0.2981
146	4.15	34.142	5.76							150	3.97	34.137	5.76	27.12	095	096	0.3259
196	1.92	34.085	5.88														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 , STATION 103-09 , 36-30.3. N, 130-37.3. E, JUN.15.1983, 05:05 KST, DEPTH 2150 , COLOR , TRANS. ,

WAVE SW 1, SWELL SW 1, WIND SW 4, BARO 1011.5, AIR TEMP. DRY 18.4, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.38	34.410	5.32							0	18.38	34.410	5.32	24.74	321	320	0.0000
10	18.39	34.426	5.57							10	18.39	34.426	5.57	24.75	320	320	0.0320
20	17.60	34.422	5.51							20	17.60	34.422	5.51	24.94	302	302	0.0631
30	15.39	34.422	5.48							30	15.39	34.422	5.48	25.45	253	253	0.0909
50	14.77	34.441	5.57							50	14.77	34.441	5.57	25.61	238	240	0.1403
88	13.86	34.503	6.18							75	14.17	34.481	5.97	25.76	223	225	0.1985
121	10.36	34.407	5.78							100	12.58	34.468	6.03	26.08	194	196	0.2512
125	8.92	34.291	5.88							125	8.92	34.291	5.88	26.59	145	147	0.2942
143	6.93	34.212	5.78							150	6.39	34.202	5.79	26.89	117	118	0.3275
199	2.66	34.132	5.92							200	2.63	34.131	5.92	27.24	083	084	0.3783
263	1.15	34.086	5.99							250	1.45	34.095	5.97	27.30	077	077	0.4189
362	0.72	34.088	5.57							300	0.98	34.086	5.83	27.33	075	075	0.4572
377	0.73	34.080	5.67							400	0.65	34.080	5.65	27.34	073	073	0.5318
499	0.34	34.085	5.57														

KOREA .GYUNGBUG 853 , STATION 103-10 , 36-30.3. N, 130-55.6. E, JUN.15.1983, 03:00 KST, DEPTH 1800 , COLOR , TRANS. ,

WAVE SW 2, SWELL SW 2, WIND SW 4, BARO 1011. , AIR TEMP. DRY 18.6, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.36	34.413	5.65							0	18.36	34.413	5.65	24.75	320	320	0.0000
10	18.31	34.414	5.45							10	18.31	34.414	5.45	24.76	319	319	0.0319
20	16.50	34.406	5.88							20	16.50	34.406	5.88	25.19	278	278	0.0618
30	13.31	34.334	5.93							30	13.31	34.334	5.93	25.83	217	218	0.0867
50	11.87	34.345	5.78							50	11.87	34.345	5.78	26.12	190	190	0.1276
81	10.45	34.314	6.09							75	10.72	34.320	6.03	26.31	171	173	0.1731

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
105	10.33	34.311	6.08							100	10.35	34.311	6.08	26.37	166	168	0.2158
150	9.18	34.291	5.94							125	9.81	34.302	6.01	26.45	158	160	0.2569
214	5.85	34.182	6.08							150	9.18	34.291	5.94	26.55	149	151	0.2960
255	2.85	34.111	5.98							200	6.57	34.205	6.04	26.87	119	121	0.3643
294	1.80	34.091	5.83							250	3.21	34.119	5.99	27.18	089	090	0.4175
347	0.96	34.084	5.57							300	1.70	34.090	5.80	27.28	079	080	0.4603
433	0.58	34.088	5.27							400	0.72	34.086	5.38	27.35	073	073	0.5373
526	0.33	34.081	5.34							500	0.40	34.083	5.31	27.36	072	071	0.6100

KOREA ,GYUNGBUG 853 , STATION 103-11 , 36-30.3. N, 131-14.0. E, JUN.15.1983, 00:50 KST, DEPTH 2100 , COLOR , TRANS.

WAVE SW 2, SWELL SW 2, WIND SW 4, BARO 1011. , AIR TEMP. DRY 18.9, WET , CLOUD. TYPE . AMT , WEATHER B ,

0	17.80	34.407	5.91							0	17.80	34.407	5.91	24.88	307	307	0.0000
10	17.59	34.391	5.57							10	17.59	34.391	5.57	24.92	304	304	0.0305
20	15.84	34.369	5.98							20	15.84	34.369	5.98	25.31	266	266	0.0591
30	13.09	34.360	5.57							30	13.09	34.360	5.57	25.89	211	211	0.0830
50	11.02	34.350	5.57							50	11.02	34.350	5.57	26.28	174	175	0.1218
75	10.37	34.313	5.88							75	10.37	34.313	5.88	26.37	166	167	0.1647
120	10.23	34.309	5.71							100	10.29	34.310	5.78	26.38	165	167	0.2066
150	10.07	34.305	5.57							125	10.20	34.306	5.68	26.39	164	166	0.2483
160	9.80	34.309	5.59							150	10.07	34.305	5.57	26.41	162	165	0.2898
181	8.40	34.272	5.81							200	5.31	34.162	5.56	26.99	107	109	0.3584
195	5.52	34.167	5.57							250	3.22	34.115	5.56	27.18	089	091	0.4085
273	2.26	34.094	5.56							300	1.85	34.092	5.49	27.27	080	081	0.4516
356	1.00	34.088	5.37							400	0.77	34.088	5.33	27.34	073	073	0.5292
444	0.55	34.088	5.29														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

7 月(July)

KOREA .GYUNGBUG 853 , STATION 103-04 . 36-30.3. N. 129-30.1. E. JUL.12.1983. 15:25 KST, DEPTH 110 . COLOR 3, TRANS. 14.0,
WAVE , SWELL , WIND SE 2, BARO 1012. , AIR TEMP, DRY 28.0, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.34	33.745	*****							0	20.34	33.745	*****	23.73	417	417	0.0000
10	19.39	34.064	*****							10	19.39	34.064	*****	24.22	370	370	0.0393
20	16.72	33.644	*****							20	16.72	33.644	*****	24.56	338	339	0.0748
30	14.86	34.411	*****							30	14.86	34.411	*****	25.56	242	243	0.1040
50	14.73	34.431	*****							50	14.73	34.431	*****	25.61	238	239	0.1523
64	5.27	33.885	*****							75	4.95	33.893	*****	26.82	123	124	0.1978
100	4.25	33.912	*****							100	4.25	33.912	*****	26.91	114	115	0.2277

KOREA .GYUNGBUG 853 . STATION 103-05 . 36-30.3. N. 129-35.4. E. JUL.12.1983. 14:35 KST, DEPTH 205 . COLOR 3. TRANS. 15.0.
WAVE . SWELL , WIND SE 2. BARO 1012. . AIR TEMP. DRY 29.5. WET , CLOUD. TYPE CU. AMT 07, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.35	33.340	*****							0	21.35	33.340	*****	23.15	472	472	0.0000
10	19.43	33.853	*****							10	19.43	33.853	*****	24.05	386	386	0.0429
20	15.75	33.285	*****							20	15.75	33.285	*****	24.50	343	344	0.0795
30	13.05	33.410	*****							30	13.05	33.410	*****	25.17	280	280	0.1107
50	5.48	33.897	*****							50	5.48	33.897	*****	26.76	129	129	0.1518
73	4.28	33.869	*****							75	4.22	33.873	*****	26.88	117	117	0.1827
98	3.65	33.928	*****							100	3.63	33.931	*****	26.99	107	107	0.2109
115	3.50	33.961	*****							125	3.61	34.014	*****	27.06	100	101	0.2370
128	3.65	34.030	*****							150	3.40	34.035	*****	27.09	097	098	0.2620
180	3.06	34.042	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 103-06 . 36-30.3. N, 129-47.3. E. JUL.12.1983. 13:10 KST. DEPTH 230 . COLOR 3, TRANS. 12.0,
WAVE , SWELL , WIND NE 2, BARO 1012.5, AIR TEMP. DRY 30.2, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.75	33.294	*****							0	18.75	33.294	*****	23.80	411	410	0.0000
10	16.79	33.297	*****							10	16.79	33.297	*****	24.27	365	365	0.0388
20	15.90	33.291	*****							20	15.90	33.291	*****	24.47	346	346	0.0744
30	15.62	33.313	*****							30	15.62	33.313	*****	24.55	339	339	0.1087
50	15.55	33.292	*****							50	15.55	33.292	*****	24.55	339	340	0.1767
54	15.19	33.479	*****							75	8.90	33.761	*****	26.18	184	185	0.2424
59	10.48	33.695	*****							100	6.43	33.865	*****	26.62	142	143	0.2836
120	4.46	33.949	*****							125	4.10	33.963	*****	26.97	109	110	0.3153
144	2.75	34.020	*****							150	2.66	34.021	*****	27.15	092	092	0.3407
215	1.79	34.035	*****							200	1.99	34.031	*****	27.21	086	086	0.3855
228	1.27	34.045	*****														

KOREA .GYUNGBUG 853 . STATION 103-07 . 36-30.3. N, 130-00.0. E, JUL.12.1983. 11:35 KST, DEPTH 850 , COLOR 3, TRANS. 12.0,
WAVE , SWELL , WIND NE 1, BARO 1013. , AIR TEMP. DRY 31.0, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.42	33.298	*****							0	18.42	33.298	*****	23.88	402	402	0.0000
10	16.30	33.289	*****							10	16.30	33.289	*****	24.38	355	355	0.0379
20	15.83	33.304	*****							20	15.83	33.304	*****	24.50	344	344	0.0729
30	13.75	33.571	*****							30	13.75	33.571	*****	25.15	282	282	0.1042
50	13.65	34.466	*****							50	13.65	34.466	*****	25.86	214	215	0.1540
91	8.79	34.306	*****							75	10.68	34.368	*****	26.35	167	169	0.2021
110	5.42	34.162	*****							100	7.19	34.237	*****	26.81	124	125	0.2390
127	5.46	34.162	*****							125	5.45	34.162	*****	26.97	106	110	0.2685
150	3.41	34.104	*****							150	3.41	34.104	*****	27.15	092	093	0.2939

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
197	1.52	34.065	*****							200	1.49	34.065	*****	27.28	080	080	0.3373
259	1.03	34.081	*****							250	1.10	34.078	*****	27.32	076	076	0.3766
299	0.84	34.050	*****							300	0.83	34.050	*****	27.31	077	077	0.4150
422	0.57	34.076	*****							400	0.61	34.071	*****	27.34	074	074	0.4906
510	0.46	34.089	*****							500	0.47	34.087	*****	27.36	072	071	0.5637

KOREA ,GYUNGBUG 853 , STATION 103-08 , 36-30.3. N, 130-18.6. E, JUL.12.1983, 09:35 KST, DEPTH 198 , COLOR 2, TRANS. 23.0,
WAVE , SWELL , WIND NE 1, BARO 1013. , AIR TEMP. DRY 30.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.90	32.891	*****							0	21.90	32.891	*****	22.66	519	519	0.0000
10	21.71	32.862	*****							10	21.71	32.862	*****	22.69	516	516	0.0517
20	16.32	33.705	*****							20	16.32	33.705	*****	24.69	325	325	0.0939
30	16.38	33.729	*****							30	16.38	33.729	*****	24.70	325	325	0.1264
50	14.12	34.233	*****							50	14.12	34.233	*****	25.58	240	241	0.1832
76	13.03	34.422	*****							75	13.07	34.414	*****	25.94	207	208	0.2396
100	7.50	34.218	*****							100	7.50	34.218	*****	26.75	130	131	0.2821
130	5.08	34.135	*****							125	5.48	34.148	*****	26.96	110	111	0.3125
173	3.18	34.109	*****							150	4.19	34.122	*****	27.09	098	099	0.3388
196	1.61	34.079	*****														

KOREA ,GYUNGBUG 853 , STATION 103-09 , 36-30.3. N, 130-37.3. E, JUL.12.1983, 07:30 KST. DEPTH 2150 , COLOR , TRANS.
WAVE , SWELL , WIND NE 1, BARO 1013. , AIR TEMP. DRY 22.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.61	33.039	*****							0	21.61	33.039	*****	22.85	501	500	0.0000
10	21.54	33.023	*****							10	21.54	33.023	*****	22.86	500	500	0.0500
20	19.68	33.454	*****							20	19.68	33.454	*****	23.68	422	422	0.0962
30	15.67	33.853	*****							30	15.67	33.853	*****	24.96	300	301	0.1323
50	14.32	34.320	*****							50	14.32	34.320	*****	25.61	238	239	0.1864

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
83	14.42	34.460	*****							75	14.39	34.426	*****	25.67	232	234	0.2457
105	11.48	34.394	*****							100	12.14	34.409	*****	26.12	190	192	0.2990
130	5.46	34.148	*****							125	6.66	34.197	*****	26.85	120	122	0.3383
180	2.78	34.099	*****							150	4.38	34.128	*****	27.07	099	101	0.3663
213	1.65	34.094	*****							200	2.09	34.095	*****	27.26	082	082	0.4122
255	1.20	34.077	*****							250	1.25	34.079	*****	27.31	077	077	0.4523
295	0.81	34.074	*****							300	0.76	34.073	*****	27.33	075	074	0.4904
332	0.49	34.069	*****							400	0.41	34.070	*****	27.35	073	072	0.5643
466	0.35	34.072	*****														

KOREA .GYUNGBUG 853 , STATION 103-10 , 36-30.3. N, 130-55.6. E, JUL.12.1983, 05:25 KST, DEPTH 1800 , COLOR , TRANS. ,

WAVE . SWELL , WIND NE 1, BARO 1013. , AIR TEMP. DRY 17.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.36	33.099	*****							0	21.36	33.099	*****	22.97	490	489	0.0000
10	20.29	33.515	*****							10	20.29	33.515	*****	23.57	432	432	0.0461
20	18.17	33.608	*****							20	18.17	33.608	*****	24.18	374	374	0.0865
30	15.48	33.651	*****							30	15.48	33.651	*****	24.84	311	312	0.1208
50	14.01	34.007	*****							50	14.01	34.007	*****	25.43	255	256	0.1776
78	14.36	34.447	*****							75	14.32	34.399	*****	25.67	232	234	0.2390
94	13.58	34.454	*****							100	12.20	34.405	*****	26.10	191	193	0.2926
118	8.09	34.258	*****							125	7.33	34.230	*****	26.78	127	128	0.3329
165	3.03	34.072	*****							150	4.64	34.131	*****	27.04	102	103	0.3620
203	1.91	34.077	*****							200	1.99	34.076	*****	27.25	082	083	0.4087
250	1.33	34.067	*****							250	1.33	34.067	*****	27.29	078	079	0.4493
296	0.97	34.094	*****							300	0.95	34.093	*****	27.34	074	074	0.4877
391	0.54	34.086	*****							400	0.51	34.085	*****	27.36	072	072	0.5613
472	0.34	34.077	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 103-11 , 36-30.3. N, 131-14.0. E, JUL.12.1983. 03:20 KST. DEPTH 2100 . COLOR , TRANS.																	
WAVE . SWELL . WIND NE 2, BARO 1012. , AIR TEMP. DRY 18.7, WET . CLOUD, TYPE . AMT . WEATHER .																	
0	20.59	33.416	*****							0	20.59	33.418	*****	23.42	447	447	0.0000
10	20.13	33.395	*****							10	20.13	33.395	*****	23.52	437	437	0.0442
20	16.87	33.698	*****							20	16.87	33.698	*****	24.56	338	338	0.0830
30	14.97	34.191	*****							30	14.97	34.191	*****	25.37	261	261	0.1130
50	14.46	34.401	*****							50	14.46	34.401	*****	25.64	235	236	0.1628
77	14.45	34.492	*****							75	14.45	34.485	*****	25.71	229	230	0.2213
100	12.45	34.395	*****							100	12.45	34.395	*****	26.05	196	199	0.2750
128	8.92	34.282	*****							125	9.29	34.294	*****	26.53	150	152	0.3190
160	5.18	34.150	*****							150	6.34	34.191	*****	26.89	117	119	0.3530
203	2.74	34.084	*****							200	2.91	34.088	*****	27.18	089	090	0.4053
227	1.81	34.079	*****							250	1.59	34.077	*****	27.28	079	080	0.4479
293	1.19	34.074	*****							300	1.15	34.074	*****	27.31	077	077	0.4874
400	0.62	34.078	*****							400	0.62	34.078	*****	27.34	073	073	0.5629
475	0.43	34.098	*****														

8月(August)

KOREA .GYUNGBUG 853 . STATION 103-04 . 36-30.3. N, 129-30.1. E. AUG. 9.1983, 13:10 KST, DEPTH 110 , COLOR 4. TRANS. 12.0.																	
WAVE . SWELL SE 1, WIND SE 3, BARO 1015. , AIR TEMP. DRY 29.5. WET , CLOUD. TYPE CU, AMT 03, WEATHER BC,																	
0	26.27	33.112	5.44							0	26.27	33.112	5.44	21.54	626	626	0.0000
10	22.13	33.514	5.83							10	22.13	33.514	5.83	23.07	480	480	0.0553
20	12.51	34.316	5.64							20	12.51	34.316	5.64	25.97	203	204	0.0895
30	10.25	34.306	5.76							30	10.25	34.306	5.76	26.38	165	165	0.1080

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	7.27	34.154	5.78							50	7.27	34.154	5.78	26.73	131	132	0.1378
79	3.81	34.051	5.85							75	4.28	34.065	5.84	27.03	103	104	0.1673
90	2.20	34.049	5.96														

KOREA .GYUNGBUG 853 . STATION 103-05 . 36-30.3. N. 129-35.4. E. AUG. 9.1983. 12:15 KST. DEPTH 205 , COLOR 3. TRANS. 13.0,
WAVE . SWELL SE 1. WIND SE 3. BARO 1015. . AIR TEMP. DRY 28.4. WET . CLOUD. TYPE CU, AMT 05, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	25.98	33.468	5.44							0	25.98	33.468	5.44	21.90	592	591	0.0000
10	15.98	33.957	5.46							10	15.98	33.957	5.46	24.97	299	299	0.0445
20	13.07	34.249	5.51							20	13.07	34.249	5.51	25.81	219	219	0.0705
30	9.70	34.284	5.35							30	9.70	34.284	5.35	26.46	157	156	0.0894
50	6.88	34.217	5.96							50	6.88	34.217	5.96	26.83	122	122	0.1175
70	4.14	34.084	5.84							75	3.88	34.084	5.85	27.09	098	098	0.1451
97	2.74	34.088	5.93							100	2.65	34.088	5.93	27.21	087	087	0.1683
113	2.28	34.088	5.95							125	1.96	34.082	5.98	27.26	082	082	0.1895
144	1.47	34.075	6.03							150	1.42	34.073	6.03	27.29	079	079	0.2097
190	1.12	34.065	6.03														

KOREA .GYUNGBUG 853 . STATION 103-06 . 36-30.3. N. 129-47.3. E. AUG. 9.1983. 10:50 KST. DEPTH 235 . COLOR 3. TRANS. 15.0,
WAVE . SWELL SE 1. WIND SE 3. BARO 1015.5, AIR TEMP. DRY 26.5, WET . CLOUD. TYPE CU, AMT 08, WEATHER C .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	24.54	33.410	5.53							0	24.54	33.410	5.53	22.30	554	554	0.0000
10	13.26	33.666	5.64							10	13.26	33.666	5.64	25.32	265	265	0.0409
20	9.22	34.259	5.65							20	9.22	34.259	5.65	26.52	152	152	0.0618
30	5.72	34.157	5.89							30	5.72	34.157	5.89	26.94	112	112	0.0751
50	4.95	34.159	5.53							50	4.95	34.159	5.53	27.03	103	103	0.0967
76	3.50	34.111	5.73							75	3.55	34.112	5.72	27.14	093	093	0.1213
100	2.38	34.079	6.14							100	2.38	34.079	6.14	27.22	085	085	0.1437

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	1.60	34.079	6.13							125	1.60	34.079	6.13	27.28	079	079	0.1644
150	1.57	34.052	6.24							150	1.57	34.052	6.24	27.26	081	081	0.1846
171	1.25	34.069	5.73														
182	1.04	34.088	5.73														
KOREA .GYUNGBUG 853 , STATION 103-07 , 36-30.3. N, 130-00.0. E, AUG. 9.1983, 09:10 KST, DEPTH 850 , COLOR 3. TRANS. 14.0,																	
WAVE , SWELL SE 1, WIND SE 3, BARO 1015.5, AIR TEMP. DRY 25.3. WET , CLOUD. TYPE CU, AMT 08, WEATHER C ,																	
0	25.21	33.387	5.03							0	25.21	33.387	5.03	22.08	575	575	0.0000
10	12.92	33.581	5.84							10	12.92	33.581	5.84	25.33	265	265	0.0420
20	10.24	34.306	5.55							20	10.24	34.306	5.55	26.38	164	165	0.0635
30	7.84	34.227	5.73							30	7.84	34.227	5.73	26.71	134	134	0.0785
50	4.83	34.141	5.53							50	4.83	34.141	5.53	27.03	103	103	0.1023
75	3.47	34.111	5.58							75	3.47	34.111	5.58	27.15	092	092	0.1269
103	2.10	34.079	5.85							100	2.24	34.082	5.82	27.23	084	084	0.1490
125	2.02	34.099	5.83							125	2.02	34.099	5.83	27.27	081	081	0.1697
150	1.70	34.065	6.14							150	1.70	34.065	6.14	27.26	081	081	0.1901
178	1.17	34.055	6.18							200	1.10	34.058	6.06	27.30	078	078	0.2301
263	0.92	34.068	5.73							250	0.75	34.066	5.79	27.31	076	076	0.2688
273	0.65	34.078	5.76							300	0.58	34.078	5.66	27.35	073	073	0.3064
354	0.44	34.078	5.47							400	0.41	34.076	5.58	27.36	072	072	0.3792
425	0.40	34.076	5.65														
KOREA .GYUNGBUG 853 , STATION 103-08 , 36-30.3. N, 130-18.6. E, AUG. 9.1983, 07:05 KST. DEPTH 198 . COLOR 3, TRANS. 13.0.																	
WAVE . SWELL SE 1, WIND SE 3, BARO 1015. , AIR TEMP. DRY 24.5, WET , CLOUD. TYPE , AMT , WEATHER R ,																	
0	24.97	33.313	5.03							0	24.97	33.313	5.03	22.09	573	573	0.0000
10	12.93	33.610	5.63							10	12.93	33.610	5.63	25.35	263	263	0.0418

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	9.60	34.290	5.63							20	9.60	34.290	5.63	26.48	155	155	0.0628
30	5.35	34.154	5.74							30	5.35	34.154	5.74	26.98	108	108	0.0760
50	3.45	34.079	5.45							50	3.45	34.079	5.45	27.13	094	094	0.0963
53	2.79	34.077	5.73							75	2.45	34.078	5.73	27.21	086	086	0.1189
82	2.35	34.079	5.73							100	2.01	34.080	5.76	27.25	082	082	0.1400
131	1.44	34.083	5.83							125	1.55	34.082	5.81	27.29	079	079	0.1603
167	1.24	34.073	6.08							150	1.33	34.077	5.96	27.30	078	078	0.1800
196	0.95	34.075	6.04														

KOREA ,GYUNGBUG 853 , STATION 103-09 , 36-30.3. N, 130-37.3. E, AUG. 9.1983, 04:55 KST, DEPTH 2150 , COLOR , TRANS. ,

WAVE , SWELL , WIND SE 3, BARO 1015. , AIR TEMP. DRY 24.9, WET , CLOUD. TYPE , AMT , WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	24.81	33.546	5.09							0	24.81	33.546	5.09	22.32	552	552	0.0000
10	16.42	33.631	5.65							10	16.42	33.631	5.65	24.61	333	333	0.0442
20	14.53	34.156	5.32							20	14.53	34.156	5.32	25.44	254	255	0.0736
30	13.09	34.276	5.33							30	13.09	34.276	5.33	25.83	217	218	0.0973
50	11.31	34.293	5.47							50	11.31	34.293	5.47	26.18	183	184	0.1376
67	7.87	34.202	5.61							75	6.93	34.185	5.68	26.80	125	126	0.1764
90	5.18	34.154	5.83							100	4.58	34.135	5.85	27.05	101	102	0.2050
129	2.85	34.081	5.93							125	3.08	34.088	5.91	27.17	090	091	0.2291
163	1.47	34.068	6.13							150	1.99	34.072	6.05	27.25	083	083	0.2509
210	1.06	34.073	6.09							200	1.14	34.071	6.09	27.31	077	077	0.2912
261	0.83	34.069	6.23							250	0.87	34.069	6.19	27.32	075	075	0.3295
293	0.62	34.056	5.75							300	0.60	34.056	5.75	27.33	075	075	0.3672
378	0.45	34.061	5.86							400	0.41	34.063	5.69	27.35	073	073	0.4415
448	0.33	34.070	5.34														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 103-10 . 36-30.3. N. 130-55.6. E, AUG. 9.1983. 02:50 KST. DEPTH 1880 . COLOR . TRANS.

WAVE . SWELL . WIND SE 1. BARO 1015. . AIR TEMP. DRY 24.0. WET . CLOUD. TYPE . AMT . WEATHER BC,

0	22.15	33.371	5.43							0	22.15	33.371	5.43	22.96	491	491	0.0000
10	16.99	33.214	5.43							10	16.99	33.214	5.43	24.16	376	376	0.0433
20	15.07	33.677	5.52							20	15.07	33.677	5.52	24.95	301	301	0.0772
30	14.04	34.070	5.44							30	14.04	34.070	5.44	25.47	251	251	0.1048
50	13.81	34.311	5.53							50	13.81	34.311	5.53	25.71	229	230	0.1530
73	11.40	34.344	5.44							75	11.07	34.334	5.45	26.26	176	178	0.2041
100	7.05	34.216	5.63							100	7.05	34.216	5.63	26.81	124	125	0.2421
121	4.91	34.156	5.75							125	4.61	34.145	5.77	27.06	101	102	0.2705
147	3.02	34.085	5.93							150	2.94	34.084	5.94	27.18	089	090	0.2946
199	1.66	34.075	6.15							200	1.65	34.074	6.14	27.27	080	080	0.3374
274	1.05	34.072	5.83							250	1.24	34.072	5.93	27.30	077	078	0.3771
302	0.80	34.073	5.68							300	0.81	34.072	5.69	27.33	075	075	0.4154
411	0.43	34.045	5.53							400	0.46	34.047	5.54	27.33	075	074	0.4905
468	0.32	34.075	5.49														

KOREA .GYUNGBUG 853 . STATION 103-11 . 36-30.3. N. 131-14.0. E. AUG. 9.1983. 00:40 KST. DEPTH 2100 . COLOR . TRANS.

WAVE . SWELL . WIND SE 3. BARO 1015. . AIR TEMP. DRY 25.3. WET . CLOUD. TYPE . AMT . WEATHER BC,

0	25.47	33.899	5.25							0	25.47	33.899	5.25	22.38	546	545	0.0000
10	24.72	33.911	5.44							10	24.72	33.911	5.44	22.62	523	523	0.0534
20	17.88	34.271	5.68							20	17.88	34.271	5.68	24.76	319	319	0.0956
30	15.00	34.327	5.63							30	15.00	34.327	5.63	25.47	252	252	0.1242
50	11.69	34.354	5.85							50	11.69	34.354	5.85	26.16	186	187	0.1682
93	8.01	34.224	5.53							75	9.55	34.278	5.66	26.48	155	157	0.2112

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
110	5.42	34.157	5.63							100	6.94	34.196	5.57	26.81	124	125	0.2465
121	4.59	34.134	5.53							125	4.36	34.128	5.55	27.07	099	100	0.2748
155	2.70	34.090	5.73							150	2.97	34.096	5.70	27.18	089	089	0.2986
199	1.38	34.068	5.96							200	1.37	34.068	5.95	27.29	079	079	0.3409
262	0.96	34.071	5.55							250	1.04	34.070	5.62	27.31	076	076	0.3799
318	0.58	34.075	5.73							300	0.70	34.073	5.67	27.34	074	074	0.4178
405	0.40	34.072	5.53							400	0.41	34.072	5.54	27.35	073	072	0.4913
513	0.32	34.092	5.55							500	0.32	34.089	5.54	27.37	071	070	0.5631

10月(October)

KOREA .GYUNGBUG 853 . STATION 103-04 . 36-30.3. N. 129-30.1. E, OCT.26.1983, 11:05 KST, DEPTH 110 . COLOR 4, TRANS. 10.0,
WAVE SW 3. SWELL SW 1. WIND SW 5. BARO 1022. . AIR TEMP. DRY 15.2, WET , CLOUD. TYPE , AMT , WEATHER R ,

0	20.33	32.911	5.84							0	20.33	32.911	5.84	23.10	477	477	0.0000
10	20.32	32.866	5.74							10	20.32	32.866	5.74	23.07	480	480	0.0478
20	20.32	33.204	5.11							20	20.32	33.204	5.11	23.33	456	456	0.0947
30	14.21	33.727	5.00							30	14.21	33.727	5.00	25.18	279	280	0.1315
50	6.48	34.191	5.01							50	6.48	34.191	5.01	26.87	119	119	0.1715
69	4.36	34.072	5.14							75	3.84	34.070	5.10	27.08	098	099	0.1988
95	2.14	34.066	5.00														

KOREA .GYUNGBUG 853 , STATION 103-05 , 36-30.3. N, 129-35.4. E, OCT.26.1983, 10:15 KST, DEPTH 205 , COLOR 4, TRANS. 10.0,
WAVE SE 3. SWELL SE 1, WIND SE 1, BARO 1022. , AIR TEMP. DRY 15.7. WET , CLOUD. TYPE NS, AMT 10, WEATHER R .

0	18.49	32.691	5.63							0	18.49	32.691	5.63	23.40	448	448	0.0000
10	17.72	32.653	5.77							10	17.72	32.653	5.77	23.56	433	433	0.0441
20	13.41	33.227	5.34							20	13.41	33.227	5.34	24.95	300	301	0.0808

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	12.02	33.750	5.25							30	12.02	33.750	5.25	25.63	236	236	0.1077
50	7.46	34.216	5.28							50	7.48	34.216	5.28	26.75	130	130	0.1445
71	4.30	34.093	5.24							75	4.04	34.088	5.25	27.07	099	099	0.1733
95	2.77	34.066	5.32							100	2.61	34.066	5.42	27.19	088	088	0.1968
120	2.00	34.068	5.85							125	1.91	34.069	5.79	27.25	082	082	0.2183
150	1.50	34.076	5.50							150	1.50	34.076	5.50	27.29	079	079	0.2386
202	0.88	34.082	5.64							200	0.90	34.081	5.63	27.33	075	075	0.2772

KOREA .GYUNGBUG 853 . STATION 103-06 , 36-30.3. N. 129-47.3. E. OCT.26.1983. 08:55 KST. DEPTH 235 . COLOR 3. TRANS. 9.0.

WAVE NW 3, SWELL NW 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 0.0, WET . CLOUD. TYPE NS, AMT 10, WEATHER C .

0	18.02	32.724	5.74							0	18.02	32.724	5.74	23.54	435	435	0.0000
10	17.98	32.708	5.42							10	17.98	32.708	5.42	23.54	435	435	0.0435
20	8.18	33.187	5.42							20	8.18	33.187	5.42	25.84	216	216	0.0761
30	4.73	33.601	5.44							30	4.73	33.601	5.44	26.61	143	143	0.0941
50	3.47	34.079	5.22							50	3.47	34.079	5.22	27.12	094	094	0.1179
87	2.61	34.063	5.32							75	2.88	34.068	5.28	27.17	090	090	0.1410
108	2.00	34.049	5.37							100	2.23	34.054	5.35	27.21	086	086	0.1632
132	1.72	34.063	5.62							125	1.80	34.058	5.54	27.25	082	082	0.1843
147	1.27	34.074	5.77							150	1.19	34.074	5.83	27.31	077	077	0.2044
166	0.77	34.074	6.17							200	0.67	34.070	5.93	27.34	074	074	0.2424
209	0.65	34.070	5.87														

KOREA .GYUNGBUG 853 , STATION 103-07 . 36-30.3. N. 130-00.0. E. OCT.26.1983. 07:25 KST. DEPTH 850 , COLOR 3. TRANS. 15.0.

WAVE SE 2, SWELL SE 1. WIND NW 3, BARO 1025. . AIR TEMP. DRY 16.0, WET , CLOUD. TYPE , AMT , WEATHER C .

0	19.86	32.696	5.88							0	19.86	32.696	5.88	23.06	481	481	0.0000
10	19.85	32.653	5.62							10	19.85	32.653	5.62	23.03	484	484	0.0482

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	18.46	33.258	5.52							20	18.46	33.258	5.52	23.84	406	407	0.0728
30	13.53	33.516	5.34							30	13.53	33.516	5.34	25.15	281	282	0.1273
50	8.46	34.245	5.35							50	8.46	34.245	5.35	26.63	141	142	0.1698
70	4.21	34.162	5.42							75	3.76	34.137	5.40	27.14	093	093	0.1992
90	2.41	34.063	5.36							100	2.22	34.064	5.41	27.22	085	085	0.2216
147	1.37	34.072	5.67							125	1.77	34.068	5.55	27.26	081	081	0.2426
171	1.12	34.068	6.02							150	1.33	34.071	5.71	27.29	078	078	0.2626
211	0.94	34.084	6.23							200	0.98	34.079	6.17	27.32	075	075	0.3013
249	0.80	34.061	6.23							250	0.79	34.061	6.21	27.32	076	075	0.3392
277	0.71	34.077	5.92							300	0.65	34.076	5.95	27.34	074	073	0.3767
353	0.52	34.076	6.04							400	0.44	34.072	5.91	27.35	073	072	0.4501
436	0.38	34.070	5.82														

KOREA .GYUNGBUG 853 . STATION 103-08 , 36-30.3. N. 130-18.6. E. OCT.26.1983. 05:30 KST. DEPTH 198 , COLOR , TRANS. ,

WAVE SE 2, SWELL SE 1, WIND SW 3, BARO 1025. , AIR TEMP. DRY 16.0, WET , CLOUD. TYPE , AMT , WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.22	32.602	5.80							0	22.22	32.602	5.80	22.36	548	548	0.0000
10	22.24	32.593	5.67							10	22.24	32.593	5.67	22.34	550	550	0.0549
20	22.17	33.243	5.72							20	22.17	33.243	5.72	22.85	501	501	0.1075
30	22.17	33.249	5.40							30	22.17	33.249	5.40	22.86	500	501	0.1576
50	14.27	33.783	5.42							50	14.27	33.783	5.42	25.21	276	277	0.2355
73	8.67	34.234	5.22							75	8.09	34.217	5.23	26.66	138	139	0.2877
93	2.93	34.072	5.37							100	2.71	34.073	5.55	27.19	088	088	0.3163
110	2.40	34.076	5.82							125	1.99	34.067	5.97	27.24	083	083	0.3379
135	1.73	34.061	6.07							150	1.56	34.062	6.06	27.27	080	080	0.3585
187	1.16	34.066	6.04														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 103-09 , 36-30.3. N, 130-37.3. E. OCT.26.1983. 03:30 KST, DEPTH 2150 . COLOR . TRANS. .

WAVE SE 2. SWELL SE 1. WIND SE 4, BARO 1026. , AIR TEMP. DRY 15.5. WET . CLOUD. TYPE , AMT , WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.14	33.010	5.40							0	21.14	33.010	5.40	22.96	491	490	0.0000
10	21.28	32.966	5.52							10	21.28	32.966	5.52	22.89	497	497	0.0494
20	21.27	32.990	5.41							20	21.27	32.990	5.41	22.91	495	496	0.0991
30	21.36	33.003	5.32							30	21.36	33.003	5.32	22.90	497	497	0.1488
50	17.50	33.734	5.42							50	17.50	33.734	5.42	24.44	349	351	0.2337
81	16.05	34.346	5.22							75	16.33	34.227	5.25	25.09	287	289	0.3137
96	11.86	34.319	5.12							100	11.45	34.310	5.18	26.17	185	187	0.3733
125	8.90	34.256	5.62							125	8.90	34.256	5.62	26.57	147	149	0.4154
141	3.58	34.090	5.82							150	3.22	34.080	5.82	27.15	092	093	0.4458
182	1.97	34.047	5.82							200	1.67	34.054	5.83	27.26	082	082	0.4897
235	1.11	34.070	5.87							250	1.03	34.072	5.80	27.31	076	076	0.5295
287	0.84	34.079	5.64							300	0.79	34.079	5.63	27.33	074	074	0.5673
383	0.51	34.079	5.63							400	0.47	34.079	5.66	27.35	072	072	0.6410
472	0.32	34.079	5.82														

KOREA .GYUNGBUG 853 . STATION 103-10 . 36-30.3. N. 130-55.6. E. OCT.26.1983. 01:35 KST. DEPTH 1800 . COLOR . TRANS. ,

WAVE SE 2. SWELL SE 1. WIND SE 4, BARO 1018. . AIR TEMP. DRY 15.0, WET . CLOUD. TYPE . AMT , WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.51	33.039	5.47							0	21.51	33.039	5.47	22.88	498	498	0.0000
10	21.58	33.013	5.43							10	21.58	33.013	5.43	22.84	502	502	0.0500
20	21.58	33.007	5.31							20	21.58	33.007	5.31	22.84	502	502	0.1002
30	21.56	33.010	5.33							30	21.56	33.010	5.33	22.85	501	502	0.1505
50	21.50	33.736	5.42							50	21.50	33.736	5.42	23.41	447	449	0.2457
80	16.89	34.075	5.42							75	17.65	34.018	5.42	24.62	332	334	0.3436

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
99	13.31	34.343	5.12							100	13.08	34.341	5.13	25.88	212	214	0.4124
110	10.82	34.331	5.23							125	7.67	34.215	5.57	26.72	132	134	0.4561
140	4.52	34.100	5.92							150	4.03	34.097	5.96	27.08	098	099	0.4853
186	2.30	34.087	6.12							200	2.05	34.069	6.03	27.24	083	084	0.5313
251	1.14	34.007	5.72							250	1.15	34.008	5.72	27.26	082	082	0.5730
299	0.87	34.079	5.63							300	0.86	34.078	5.62	27.33	075	075	0.6124
393	0.47	34.038	5.54							400	0.45	34.040	5.54	27.32	075	075	0.6877
491	0.32	34.074	5.62														

KOREA .GYUNGBUG 853 , STATION 103-11 . 36-30.3. N. 131-14.0. E. OCT.25.1983. 23:35 KST. DEPTH 2100 . COLOR . TRANS. ,

WAVE SE 2. SWELL SE 1. WIND SE 3. BARO 1018. , AIR TEMP. DRY 15.5. WET , CLOUD. TYPE NS. AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.80	33.354	5.42							0	21.80	33.354	5.42	23.04	483	483	0.0000
10	21.91	33.376	5.42							10	21.91	33.376	5.42	23.03	484	484	0.0483
20	21.89	33.335	5.62							20	21.89	33.335	5.62	23.00	487	487	0.0969
30	21.91	33.341	5.34							30	21.91	33.341	5.34	23.00	487	487	0.1457
50	20.57	33.701	5.32							50	20.57	33.701	5.32	23.64	426	427	0.2372
75	15.64	34.386	5.42							75	15.64	34.386	5.42	25.37	261	263	0.3236
102	8.92	34.187	5.22							100	9.41	34.201	5.23	26.44	159	161	0.3766
124	4.97	34.095	5.57							125	4.92	34.094	5.57	26.98	108	109	0.4104
176	2.50	34.081	6.02							150	3.73	34.088	5.79	27.11	096	097	0.4362
214	1.51	34.077	6.32							200	1.87	34.078	6.20	27.26	081	082	0.4811
264	0.98	34.086	6.14							250	1.12	34.083	6.19	27.32	076	076	0.5208
308	0.74	34.018	5.77							300	0.78	34.030	5.83	27.30	078	078	0.5595
409	0.45	34.009	5.82							400	0.47	34.009	5.81	27.30	078	077	0.6375
499	0.28	34.038	5.63														

12月(December)

KOREA .GYUNGBUG 853 . STATION 103-04 . 36-30.3. N, 129-30.1. E, DEC. 3.1983, 12:40 KST, DEPTH 110 , COLOR 4, TRANS. 13.0,
WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1019. , AIR TEMP. DRY 14.2, WET , CLOUD. TYPE CU, AMT 04, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.70	33.936	6.51							0	14.70	33.936	6.51	25.23	274	274	0.0000
10	14.66	33.930	6.45							10	14.66	33.930	6.45	25.24	274	274	0.0274
20	14.71	33.930	6.23							20	14.71	33.930	6.23	25.22	275	275	0.0548
30	14.61	33.934	6.21							30	14.61	33.934	6.21	25.25	272	273	0.0823
50	14.60	34.057	6.23							50	14.60	34.057	6.23	25.35	263	264	0.1360
75	7.69	34.175	5.84							75	7.69	34.175	5.84	26.69	136	137	0.1862
102	2.17	34.089	6.08							100	2.57	34.095	6.06	27.22	085	086	0.2141

KOREA .GYUNGBUG 853 . STATION 103-05 , 36-30.3. N, 129-35.4. E, DEC. 3.1983, 13:30 KST, DEPTH 205 , COLOR 4, TRANS. 14.0,
WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1019. , AIR TEMP. DRY 14.1, WET , CLOUD. TYPE CU, AMT 05, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.61	33.891	6.35							0	15.61	33.891	6.35	25.00	296	296	0.0000
10	15.66	33.869	6.23							10	15.66	33.869	6.23	24.97	299	299	0.0297
20	15.63	33.879	6.35							20	15.63	33.879	6.35	24.98	298	298	0.0596
30	14.95	33.879	6.53							30	14.95	33.879	6.53	25.13	283	284	0.0887
50	14.40	33.889	6.45							50	14.40	33.889	6.45	25.26	271	272	0.1445
69	11.23	34.391	6.28							75	8.80	34.288	6.33	26.61	143	144	0.1967
84	5.17	34.134	6.41							100	3.77	34.116	6.43	27.12	094	095	0.2267
111	2.81	34.105	6.45							125	2.58	34.096	6.36	27.22	085	086	0.2494
163	1.98	34.075	6.13							150	2.18	34.082	6.21	27.24	083	084	0.2707
193	1.10	34.064	6.07														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,GYUNGBUG 853 . STATION 103-06 , 36-30.3. N. 129-47.3. E, DEC. 3.1983, 14:55 KST. DEPTH 235 . COLOR 4. TRANS. 13.0,
WAVE N 3, SWELL N 1, WIND N 4, BARO 1019. , AIR TEMP. DRY 11.3, WET . CLOUD. TYPE CU. AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.14	33.861	6.35							0	15.14	33.861	6.35	25.08	289	288	0.0000
10	15.33	33.870	6.36							10	15.33	33.870	6.36	25.04	292	292	0.0290
20	14.61	33.907	6.03							20	14.61	33.907	6.03	25.23	274	274	0.0574
30	14.52	33.925	6.24							30	14.52	33.925	6.24	25.26	271	272	0.0847
50	14.52	33.992	6.63							50	14.52	33.992	6.63	25.31	266	267	0.1387
51	14.28	34.001	6.13							75	13.78	34.365	6.17	25.76	224	226	0.2004
76	13.76	34.381	6.18							100	8.21	34.249	6.41	26.67	137	139	0.2461
102	7.75	34.238	6.43							125	6.32	34.141	6.00	26.85	120	122	0.2788
130	6.01	34.120	5.91							150	4.57	34.112	5.95	27.04	103	104	0.3071
180	2.43	34.100	6.03							200	2.00	34.097	6.14	27.27	081	081	0.3536
232	1.32	34.094	6.33														

KOREA ,GYUNGBUG 853 . STATION 103-07 . 36-30.3. N. 130-00.0. E, DEC. 3.1983, 16:20 KST, DEPTH 850 . COLOR 3, TRANS. 14.0,
WAVE N 4, SWELL N 1, WIND N 5, BARO 1020. , AIR TEMP. DRY 10.6, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.36	33.937	6.23							0	15.36	33.937	6.23	25.09	288	287	0.0000
10	15.33	33.908	6.53							10	15.33	33:908	6.53	25.07	289	289	0.0288
20	15.45	33.903	6.55							20	15.45	33.903	6.55	25.04	292	292	0.0579
30	15.41	33.935	6.53							30	15.41	33.935	6.53	25.08	289	289	0.0871
50	15.31	33.933	6.63							50	15.31	33.933	6.63	25.10	287	288	0.1449
68	14.75	33.933	6.21							75	14.39	34.131	6.12	25.45	253	255	0.2129
81	14.09	34.302	6.05							100	8.71	34.248	5.91	26.59	145	146	0.2632
98	8.98	34.255	5.93							125	5.37	34.164	5.72	26.99	107	109	0.2952
144	2.84	34.100	5.58							150	2.60	34.094	5.70	27.21	086	086	0.3196

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
179	1.47	34.068	6.33							200	1.24	34.069	6.42	27.30	078	078	0.3609
222	1.01	34.072	6.53							250	0.88	34.082	6.39	27.33	075	074	0.3992
259	0.85	34.066	6.35							300	0.69	34.088	6.27	27.35	073	073	0.4363
316	0.64	34.089	6.25														
361	0.50	34.077	6.13														

KOREA .GYUNGBUG 853 . STATION 103-08 , 36-30.3. N, 130-18.6. E, DEC. 3.1983, 18:30 KST. DEPTH 198 . COLOR , TRANS. .

WAVE N 4. SWELL N 1, WIND N 5. BARO 1021. , AIR TEMP. DRY 10.5, WET . CLOUD. TYPE . AMT , WEATHER .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	15.94	33.945	6.26							0	15.94	33.945	6.26	24.96	299	299	0.0000
10	16.20	33.936	6.33							10	16.20	33.936	6.33	24.90	306	306	0.0302
20	15.86	33.937	6.31							20	15.86	33.937	6.31	24.98	298	298	0.0605
30	15.86	33.941	6.33							30	15.86	33.941	6.33	24.98	298	298	0.0904
50	15.37	33.943	6.23							50	15.37	33.943	6.23	25.09	287	288	0.1492
70	14.70	33.993	5.73							75	14.66	34.095	5.75	25.36	262	263	0.2183
92	14.56	34.446	5.83							100	12.71	34.370	5.91	25.98	203	205	0.2770
106	11.33	34.314	5.98							125	10.76	34.203	5.78	26.21	181	183	0.3257
130	10.62	34.175	5.73							150	6.25	******	6.08	*****	***	***	******
167	2.55	******	6.38														

KOREA .GYUNGBUG 853 . STATION 103-09 . 36-30.3. N, 130-37.3. E. DEC. 3.1983. 20:35 KST. DEPTH 2150 , COLOR , TRANS. ,

WAVE N 4. SWELL N 1. WIND N 5. BARO 1021. , AIR TEMP. DRY 9.5. WET , CLOUD. TYPE . AMT , WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	15.87	33.944	6.24							0	15.87	33.944	6.24	24.98	298	298	0.0000
10	15.83	33.921	6.53							10	15.83	33.921	6.53	24.97	299	299	0.0298
20	15.87	33.934	6.24							20	15.87	33.934	6.24	24.97	299	299	0.0597
30	15.86	33.931	6.22							30	15.86	33.931	6.22	24.97	299	299	0.0897
50	15.69	33.936	6.13							50	15.69	33.936	6.13	25.01	295	296	0.1493

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
79	13.54	33.992	6.03							75	13.83	33.984	6.04	25.45	253	255	0.2162
102	13.56	34.369	5.68							100	13.55	34.336	5.71	25.78	222	224	0.2782
126	6.56	34.200	5.91							125	6.85	34.207	5.90	26.83	122	124	0.3218
155	4.08	34.117	5.93							150	4.50	34.131	5.92	27.06	100	102	0.3501
205	1.95	34.061	6.16							200	2.16	34.066	6.13	27.23	084	085	0.3969
253	1.24	34.061	6.11							250	1.28	34.061	6.11	27.29	079	079	0.4381
301	1.00	34.061	6.18							300	1.00	34.061	6.17	27.31	077	077	0.4773
404	0.63	34.063	6.23							400	0.64	34.062	6.22	27.33	075	074	0.5535
495	0.43	34.075	6.31														

KOREA ,GYUNGBUG 853 . STATION 103-10 . 36-30.3. N, 130-55.6. E. DEC. 3.1983. 22:45 KST, DEPTH 1800 , COLOR , TRANS. ,

WAVE N 3. SWELL N 1. WIND N 4, BARO 1021. , AIR TEMP. DRY 9.0, WET . CLOUD. TYPE . AMT , WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.17	33.966	6.64							0	16.17	33.966	6.64	24.93	303	302	0.0000
10	16.16	33.970	6.64							10	16.16	33.970	6.64	24.93	302	302	0.0302
20	16.13	33.955	6.03							20	16.13	33.955	6.03	24.93	303	303	0.0605
30	16.14	33.954	6.33							30	16.14	33.954	6.33	24.93	303	304	0.0909
50	16.16	33.957	6.43							50	16.16	33.957	6.43	24.92	303	304	0.1518
76	15.02	33.966	6.42							75	15.06	33.965	6.42	25.18	279	281	0.2251
97	13.73	34.370	6.13							100	13.58	34.363	6.10	25.79	220	223	0.2882
118	12.74	34.325	5.98							125	11.58	34.289	5.99	26.13	189	191	0.3401
146	8.12	34.184	6.05							150	7.48	34.173	6.06	26.72	133	135	0.3810
177	3.23	34.100	6.20							200	2.53	34.086	6.21	27.21	086	086	0.4366
226	1.75	34.071	6.23							250	1.41	34.064	6.24	27.28	079	079	0.4783
266	1.19	34.060	6.25							300	1.00	34.061	6.25	27.31	077	077	0.5177
365	0.66	34.065	6.26							400	0.58	34.066	6.24	27.34	074	074	0.5935
451	0.48	34.068	6.27														

KOREA .GYUNGBUG 853 . STATION 103-11 , 36-30.3. N, 131-14.0. E, DEC. 4.1983, 00:50 KST, DEPTH 2100 . COLOR . TRANS.

WAVE N 3, SWELL N 1, WIND N 5, BARO 1021.5. AIR TEMP. DRY 8.8, WET . CLOUD. TYPE , AMT , WEATHER R .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.20	33.865	6.55							0	14.20	33.865	6.55	25.28	269	269	0.0000
10	14.20	33.871	6.55							10	14.20	33.871	6.55	25.29	269	269	0.0269
20	14.19	33.844	6.36							20	14.19	33.844	6.36	25.27	270	271	0.0539
30	14.15	33.833	5.83							30	14.15	33.833	5.83	25.27	270	271	0.0810
50	13.86	33.854	5.61							50	13.86	33.854	5.61	25.35	263	264	0.1346
81	12.87	33.874	5.93							75	13.06	33.870	5.86	25.52	246	248	0.1987
105	12.52	34.325	5.65							100	12.59	34.231	5.70	25.89	211	213	0.2565
112	10.18	34.247	5.93							125	8.38	34.196	5.91	26.60	144	146	0.3015
135	7.00	34.158	5.91							150	5.68	34.131	6.07	26.92	113	115	0.3342
181	2.98	34.076	6.43							200	2.42	34.068	6.48	27.21	086	087	0.3849
237	1.34	34.053	6.58							250	1.26	34.058	6.53	27.29	079	079	0.4266
281	1.07	34.073	6.42							300	0.95	34.070	6.30	27.32	076	076	0.4655
352	0.63	34.065	5.98							400	0.49	34.069	6.01	27.35	073	073	0.5404
422	0.44	34.072	6.03														

102線 海洋觀測 成績

Oceanographic Data. Line 102

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2月(February)

KOREA ,GYUNGBUG 853 , STATION 102-04 . 36-04.6. N, 129-36.9. E, FEB. 6.1983. 12:35 KST, DEPTH 52 , COLOR 5, TRANS. 5.0,
WAVE SW 1, SWELL SW 1, WIND SW 2, BARO 1017. , AIR TEMP. DRY 11.0, WET , CLOUD. TYPE , AMT , WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.10	34.490	7.02							0	13.10	34.490	7.02	25.99	202	201	0.0000
10	13.15	34.553	6.67							10	13.15	34.553	6.67	26.03	198	198	0.0200
20	13.13	34.470	6.56							20	13.13	34.470	6.56	25.97	204	204	0.0401
30	12.69	34.374	6.42							30	12.69	34.374	6.42	25.98	202	203	0.0605
50	11.92	34.385	6.35							50	11.92	34.385	6.35	26.14	188	188	0.0997

KOREA ,GYUNGBUG 853 , STATION 102-05 , 36-04.6. N, 129-41.3. E, FEB. 6.1983, 13:20 KST, DEPTH 210 , COLOR , TRANS. ,
WAVE , SWELL SW 1, WIND SW 3, BARO 1016.5, AIR TEMP. DRY 12.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.96	34.493	6.23							0	13.96	34.493	6.23	25.82	218	218	0.0000
10	14.01	34.560	6.61							10	14.01	34.560	6.61	25.86	214	214	0.0216
20	13.95	34.548	6.51							20	13.95	34.548	6.51	25.86	214	214	0.0431
30	13.18	34.548	6.86							30	13.18	34.548	6.86	26.02	199	199	0.0638
50	12.65	34.440	6.72							50	12.65	34.440	6.72	26.04	197	198	0.1036
77	11.86	34.462	6.67							75	11.91	34.460	6.67	26.20	182	183	0.1514
104	5.30	34.454	6.60							100	6.27	34.455	6.61	27.10	096	097	0.1866
114	2.88	34.352	6.63							125	2.53	34.359	6.54	27.43	065	065	0.2071
167	1.23	34.387	6.21							150	1.75	34.375	6.34	27.51	058	058	0.2227
201	0.81	33.977	6.00							200	0.82	33.989	6.00	27.26	081	081	0.2578

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 , STATION 102-06 , 36-04.6. N, 129-47.8. E, FEB. 9.1983, 11:20 KST, DEPTH 700 , COLOR , TRANS. .

WAVE . SWELL SW 1, WIND SW 3, BARO 1015.5, AIR TEMP. DRY 12.0, WET , CLOUD. TYPE , AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.93	34.518	*****							0	13.93	34.518	*****	25.84	216	216	0.0000
10	13.95	34.497	6.60							10	13.95	34.497	6.60	25.82	218	218	0.0217
20	13.95	34.553	6.39							20	13.95	34.553	6.39	25.87	214	214	0.0433
30	13.85	34.581	6.20							30	13.85	34.581	6.20	25.91	210	210	0.0645
50	12.09	34.591	6.31							50	12.09	34.591	6.31	26.27	175	176	0.1033
84	11.56	34.236	6.41							75	11.70	34.329	6.38	26.14	188	189	0.1491
117	8.04	34.231	6.66							100	9.85	34.233	6.53	26.39	164	165	0.1935
134	4.50	34.317	6.34							125	6.37	34.271	6.50	26.95	111	113	0.2284
146	2.59	34.300	6.15							150	2.43	34.292	6.15	27.39	069	070	0.2513
182	1.22	34.231	6.22							200	1.10	34.190	6.29	27.40	068	068	0.2859
230	0.92	34.122	6.42							250	0.81	34.110	6.42	27.36	072	072	0.3211
271	0.71	34.099	6.42							300	0.64	34.082	6.43	27.35	073	073	0.3575
346	0.54	34.057	6.47							400	0.41	34.049	6.43	27.33	074	074	0.4314
421	0.36	34.047	6.42														

KOREA .GYUNGBUG 853 , STATION 102-07 , 36-04.6. N, 130-00.0. E, FEB. 9.1983, 12:55 KST, DEPTH 1390 , COLOR , TRANS. .

WAVE , SWELL , WIND , BARO . , AIR TEMP. DRY 0.0, WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.51	34.436	6.46							0	11.51	34.436	6.46	26.26	176	176	0.0000
10	11.58	34.410	*****							10	11.58	34.410	6.41	26.22	180	180	0.0178
20	11.56	34.282	6.37							20	11.56	34.282	6.37	26.13	189	189	0.0363
30	11.91	34.281	6.39							30	11.91	34.281	6.39	26.06	195	195	0.0555
50	11.59	34.286	6.73							50	11.59	34.286	6.73	26.13	189	190	0.0941
93	11.55	34.240	6.63							75	11.56	34.259	6.67	26.11	190	192	0.1420

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
116	11.56	34.326	6.56							100	11.55	34.266	6.60	26.12	190	192	0.1900
160	8.97	34.237	6.23							125	11.03	34.307	6.49	26.25	178	180	0.2366
177	4.34	34.098	5.92							150	9.55	34.257	6.30	26.46	157	160	0.2792
215	1.27	34.035	6.16							200	2.48	34.059	6.06	27.20	087	088	0.3414
263	0.75	34.052	6.23							250	0.89	34.047	6.21	27.30	077	077	0.3830
303	0.57	34.086	6.32							300	0.58	34.083	6.31	27.35	073	072	0.4206
391	0.42	34.210	6.03							400	0.41	******	6.01	*****	***	***	******
473	0.37	******	5.92														

KOREA .GYUNGBUG 853 , STATION 102-08 . 36-04.6. N. 130-18.4. E. FEB. 9.1983. 15:05 KST. DEPTH 1530 , COLOR . TRANS. ,
WAVE NW 2, SWELL NW 2, WIND NW 5. BARO 1013.5. AIR TEMP. DRY 1.8. WET , CLOUD. TYPE , AMT 10, WEATHER 5 ,

0	11.39	34.150	6.42							0	11.39	34.150	6.42	26.06	195	195	0.0000
10	11.59	34.129	6.45							10	11.59	34.129	6.45	26.00	200	200	0.0198
20	11.59	34.117	6.32							20	11.59	34.117	6.32	26.00	201	202	0.0399
30	11.63	34.126	6.32							30	11.63	34.126	6.32	25.99	201	202	0.0601
50	11.69	34.274	6.52							50	11.69	34.274	6.52	26.10	192	192	0.0997
84	11.67	34.327	6.51							75	11.67	34.312	6.51	26.13	188	190	0.1476
118	11.65	34.126	6.56							100	11.66	34.232	6.53	26.07	194	196	0.1959
168	10.60	34.135	6.36							125	11.50	34.127	6.53	26.02	199	202	0.2458
190	7.97	34.127	6.10							150	10.97	34.131	6.43	26.12	190	193	0.2952
220	3.49	34.070	6.42							200	6.47	34.108	6.20	26.80	125	127	0.3754
265	2.06	34.039	6.32							250	2.53	34.049	6.35	27.18	089	090	0.4298
291	1.25	34.070	6.33							300	1.19	34.067	6.32	27.30	078	078	0.4719
407	0.57	34.044	6.22							400	0.61	34.045	6.22	27.32	076	076	0.5490
472	0.53	34.018	5.90														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,GYUNGBUG 853 , STATION 102-09 , 36-04.6. N, 130-36.9. E, FEB.12.1983, 08:00 KST, DEPTH 1880 , COLOR , TRANS. ,																	
WAVE SW 2, SWELL SW 2, WIND SW 5, BARO 1023.5, AIR TEMP. DRY 1.3, WET , CLOUD. TYPE , AMT , WEATHER .																	
0	11.58	34.229	6.43							0	11.58	34.229	6.43	26.08	193	193	0.0000
10	11.67	34.272	6.51							10	11.67	34.272	6.51	26.10	191	191	0.0192
20	11.67	34.391	6.32							20	11.67	34.391	6.32	26.19	183	183	0.0379
30	11.64	34.508	6.40							30	11.64	34.508	6.40	26.29	173	174	0.0558
50	11.64	34.447	6.47							50	11.64	34.447	6.47	26.24	178	179	0.0912
82	11.60	34.523	6.64							75	11.60	34.506	6.60	26.29	173	174	0.1355
107	11.60	34.535	*****							100	11.60	34.531	6.53	26.32	171	173	0.1790
134	11.60	34.429	6.52							125	11.60	34.464	6.51	26.26	176	179	0.2231
150	11.40	34.506	6.22							150	11.40	34.506	6.22	26.33	169	173	0.2671
219	10.80	34.361	6.41							200	10.96	34.400	6.35	26.33	170	174	0.3539
225	7.44	34.329	6.31							250	2.72	34.267	6.30	27.34	074	075	0.4163
241	2.89	34.272	6.31							300	1.82	34.241	6.29	27.40	069	069	0.4526
335	1.19	34.224	6.28							400	0.85	34.205	6.28	27.43	065	065	0.5203
428	0.71	34.197	6.29														
KOREA ,GYUNGBUG 853 , STATION 102-10 . 36-04.6. N, 130-55.1. E, FEB.12.1983, 05:55 KST, DEPTH 1440 , COLOR , TRANS. .																	
WAVE SW 2, SWELL SW 2, WIND SW 5, BARO 1023. , AIR TEMP. DRY 1.3, WET , CLOUD. TYPE , AMT , WEATHER ,																	
0	11.57	34.209	6.31							0	11.57	34.209	6.31	26.07	194	194	0.0000
10	11.67	34.220	6.31							10	11.67	34.220	6.31	26.06	195	195	0.0195
20	11.67	34.218	6.34							20	11.67	34.218	6.34	26.06	195	195	0.0390
30	11.66	34.213	6.51							30	11.66	34.213	6.51	26.06	196	196	0.0587
50	11.70	34.213	*****							50	11.70	34.213	6.51	26.05	196	197	0.0981
61	11.74	34.217	6.51							75	11.71	34.218	6.47	26.05	196	198	0.1475

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
93	11.69	34.221	6.44							100	11.68	34.221	6.42	26.06	195	197	0.1970
128	11.68	34.225	6.34							125	11.68	34.224	6.34	26.06	195	198	0.2465
145	11.36	34.456	6.36							150	11.31	34.454	6.37	26.31	172	175	0.2932
199	10.89	34.437	6.53							200	10.79	34.431	6.52	26.38	164	169	0.3793
234	7.51	34.242	6.23							250	5.61	34.222	6.26	27.00	106	109	0.4488
273	2.90	34.195	6.31							300	2.21	34.151	6.26	27.29	078	079	0.4960
340	1.20	34.086	6.20														
394	0.75	34.043	6.14														

KOREA .GYUNGBUG 853 . STATION 102-11 , 36-04.6. N, 131-13.6. E, FEB.12.1983, 03:45 KST, DEPTH 1780 , COLOR . TRANS. ,

WAVE SW 2, SWELL SW 2, WIND SW 5, BARO 1023. , AIR TEMP. DRY 1.5, WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.53	34.204	6.58							0	11.53	34.204	6.58	26.07	194	194	0.0000
10	11.58	34.203	6.71							10	11.58	34.203	6.71	26.06	195	195	0.0194
20	11.57	34.230	6.37							20	11.57	34.230	6.37	26.09	193	193	0.0388
30	11.59	34.226	6.51							30	11.59	34.226	6.51	26.08	193	194	0.0582
50	11.51	34.207	6.25							50	11.51	34.207	6.25	26.08	193	194	0.0971
79	11.58	34.207	6.31							75	11.57	34.207	6.30	26.07	194	196	0.1460
116	11.58	34.275	6.73							100	11.58	34.245	6.54	26.10	192	194	0.1948
158	11.41	34.472	6.41							125	11.54	34.317	6.66	26.16	186	188	0.2427
171	11.33	34.460	6.22							150	11.44	34.434	6.47	26.27	175	179	0.2887
212	11.03	34.481	6.47							200	11.11	34.474	6.39	26.36	167	171	0.3763
261	8.30	34.284	*****							250	8.91	34.328	6.51	26.62	142	146	0.4559
290	3.44	34.078	6.63							300	3.17	34.072	6.57	27.15	092	094	0.5161
371	1.28	34.036	6.22							400	1.03	34.041	6.25	27.29	079	079	0.6029
459	0.55	34.053	6.33														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
4月(April)																	
KOREA .GYUNGBUG 853 , STATION 102-04 . 36-04.6. N, 129-36.9. E, APR.18.1983. 10:10 KST. DEPTH 52 . COLOR 5. TRANS. 5.0, WAVE SW 1, SWELL SW 1, WIND SE 3, BARO 1025. , AIR TEMP. DRY 15.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	12.63	34.304	6.05							0	12.63	34.304	6.05	25.94	206	206	0.0000
10	11.84	34.356	5.98							10	11.84	34.356	5.98	26.13	188	188	0.0197
20	11.13	34.341	5.52							20	11.13	34.341	5.52	26.25	177	177	0.0380
30	5.95	34.198	5.40							30	5.95	34.198	5.40	26.94	111	112	0.0525
47	2.52	34.077	5.81														
KOREA .GYUNGBUG 853 . STATION 102-05 . 36-04.6. N. 129-41.3. E. APR.18.1983. 10:55 KST. DEPTH 210 , COLOR 4. TRANS. 9.0, WAVE SE 1, SWELL SE 1, WIND SE 3, BARO 1024. , AIR TEMP. DRY 16.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	14.40	34.485	6.40							0	14.40	34.485	6.40	25.72	228	227	0.0000
10	14.18	34.513	6.12							10	14.18	34.513	6.12	25.79	221	221	0.0224
20	13.53	34.490	6.15							20	13.53	34.490	6.15	25.90	210	210	0.0440
30	13.03	34.432	6.05							30	13.03	34.432	6.05	25.96	205	205	0.0649
50	12.81	34.475	6.00							50	12.81	34.475	6.00	26.04	197	198	0.1053
69	9.09	34.342	6.12							75	7.94	34.289	6.05	26.74	131	132	0.1466
99	3.35	34.080	5.80							100	3.28	34.079	5.79	27.14	093	093	0.1748
121	1.84	34.072	5.72							125	1.75	34.072	5.68	27.27	081	081	0.1967
136	1.52	34.075	5.59							150	1.38	34.076	5.67	27.29	078	078	0.2167
194	0.97	34.080	5.95														
KOREA .GYUNGBUG 853 , STATION 102-06 , 36-04.6. N, 129-47.8. E, APR.18.1983. 11:50 KST. DEPTH 700 , COLOR 3. TRANS. 13.0, WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1014.5, AIR TEMP. DRY 17.5, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	14.39	34.504	6.40							0	14.39	34.504	6.40	25.74	226	226	0.0000
10	14.00	34.485	6.35							10	14.00	34.485	6.35	25.80	220	220	0.0223

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	13.76	34.483	6.03							20	13.76	34.483	6.03	25.85	215	215	0.0441
30	13.10	34.487	6.69							30	13.10	34.487	6.69	25.99	202	202	0.0650
50	12.36	34.487	5.89							50	12.36	34.487	5.89	26.14	188	189	0.1042
75	11.47	34.447	5.95							75	11.47	34.447	5.95	26.27	175	176	0.1500
106	7.38	34.470	5.92							100	8.17	34.465	5.92	26.84	121	122	0.1875
114	7.07	34.229	5.65							125	5.97	34.191	5.62	26.93	112	114	0.2171
140	4.47	34.141	5.60							150	3.86	34.124	5.62	27.12	095	096	0.2433
175	2.36	34.083	5.68							200	1.74	34.078	5.59	27.27	080	081	0.2876
221	1.22	34.074	5.53							250	1.05	34.079	5.64	27.32	076	076	0.3270
264	0.98	34.082	5.70							300	0.82	34.079	5.70	27.33	074	074	0.3648
353	0.60	34.077	5.70							400	0.50	34.076	5.76	27.35	073	072	0.4386
443	0.42	34.080	5.82														

KOREA .GYUNGBUG 853 . STATION 102-07 . 36-04.6. N, 130-00.0. E, APR.18.1983, 13:25 KST. DEPTH 1390 . COLOR 3, TRANS. 13.0,
WAVE SE 1. SWELL SE 1, WIND SE 1, BARO 1014.5. AIR TEMP. DRY 19.0. WET , CLOUD. TYPE CI; AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.00	34.511	5.82							0	14.00	34.511	5.82	25.82	218	217	0.0000
10	12.87	34.468	6.11							10	12.87	34.468	6.11	26.02	199	199	0.0208
20	12.69	34.477	6.39							20	12.69	34.477	6.39	26.06	195	195	0.0406
30	11.98	34.480	6.68							30	11.98	34.480	6.68	26.20	182	182	0.0595
50	11.11	34.428	6.20							50	11.11	34.428	6.20	26.32	170	171	0.0949
76	9.66	34.293	6.10							75	9.71	34.298	6.10	26.47	157	158	0.1361
109	8.22	34.254	6.00							100	8.61	34.264	6.02	26.62	142	144	0.1739
110	7.63	34.224	6.00							125	6.45	34.179	6.07	26.86	119	120	0.2070
146	4.80	34.118	6.19							150	4.63	34.116	6.19	27.03	103	104	0.2352
193	2.85	34.099	6.22							200	2.63	34.098	6.13	27.22	086	086	0.2831

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
249	1.13	34.095	5.55							250	1.12	34.094	5.54	27.33	075	075	0.3237
289	0.82	34.074	5.48							300	0.79	34.074	5.49	27.33	075	074	0.3613
389	0.56	34.082	5.60							400	0.53	34.081	5.58	27.35	073	072	0.4352
482	0.38	34.078	5.45														

KOREA .GYUNGBUG 853 , STATION 102-08 , 36-04.6. N. 130-16.4. E, APR.18.1983, 15:35 KST. DEPTH 1530 . COLOR 3. TRANS. 13.0.
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1022.5, AIR TEMP. DRY 7.2, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC.

0	13.54	34.456	6.20							0	13.54	34.456	6.20	25.88	213	212	0.0000
10	13.30	34.473	6.22							10	13.30	34.473	6.22	25.94	207	207	0.0210
20	12.69	34.450	6.10							20	12.69	34.450	6.10	26.04	197	197	0.0412
30	11.46	34.417	6.05							30	11.46	34.417	6.05	26.25	177	177	0.0600
50	10.82	34.357	6.05							50	10.82	34.357	6.05	26.32	170	171	0.0949
76	10.15	34.334	5.76							75	10.17	34.334	5.77	26.42	161	163	0.1367
109	8.82	34.265	6.15							100	9.18	34.283	6.04	26.54	149	151	0.1761
126	8.29	34.230	6.10							125	8.32	34.232	6.10	26.64	140	142	0.2128
152	6.32	34.175	5.70							150	6.47	34.179	5.73	26.86	119	121	0.2459
206	2.70	34.076	5.80							200	3.10	34.087	5.78	27.16	090	091	0.2992
250	1.53	34.103	5.80							250	1.53	34.103	5.80	27.31	077	077	0.3417
309	0.86	34.062	5.88							300	0.96	34.068	5.86	27.32	076	076	0.3803
404	0.45	34.059	5.80							400	0.46	34.059	5.80	27.34	074	074	0.4556
485	0.33	34.040	6.62														

KOREA .GYUNGBUG 853 . STATION 102-09 , 36-04.6. N. 130-36.9. E, APR.18.1983. 17:40 KST, DEPTH 1880 , COLOR 3. TRANS. 10.0.
WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1021. , AIR TEMP. DRY 14.5, WET , CLOUD. TYPE NS, AMT 05, WEATHER BC.

0	13.78	34.440	6.22							0	13.78	34.440	6.22	25.81	219	218	0.0000
10	13.05	34.508	5.90							10	13.05	34.508	5.90	26.02	199	199	0.0209

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	12.70	34.499	6.10							20	12.70	34.499	6.10	26.08	193	194	0.0406
30	11.75	34.482	5.90							30	11.75	34.482	5.90	26.25	177	178	0.0592
50	10.99	34.408	5.52							50	10.99	34.408	5.52	26.33	169	170	0.0941
75	10.36	34.336	5.85							75	10.36	34.336	5.85	26.39	164	165	0.1362
100	9.86	34.292	5.68							100	9.86	34.292	5.68	26.44	159	161	0.1771
125	9.51	34.327	6.90							125	9.51	34.327	6.90	26.52	151	153	0.2166
155	8.82	34.269	5.72							150	8.93	34.278	5.91	26.58	146	148	0.2544
195	3.94	34.103	5.90							200	3.67	34.099	5.88	27.12	095	096	0.3158
236	1.80	34.076	5.80							250	1.60	34.072	5.71	27.28	080	080	0.3601
283	1.16	34.063	5.50							300	1.06	34.065	5.44	27.31	077	077	0.3997
385	0.56	34.075	5.15							400	0.51	34.073	5.22	27.35	073	073	0.4751
461	0.35	34.068	5.52														

KOREA ,GYUNGBUG 853 . STATION 102-10 , 36-04.6. N, 130-55.1. E. APR.18.1983. 19:50 KST. DEPTH 1440 . COLOR . TRANS. ,

WAVE SE 1. SWELL SE 1. WIND SE 3. BARO 1020. , AIR TEMP. DRY 14.0. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

0	12.83	34.363	*****							0	12.83	34.363	*****	25.95	206	206	0.0000
10	11.93	34.332	6.90							10	11.93	34.332	6.90	26.10	192	192	0.0199
20	11.52	34.294	6.40							20	11.52	34.294	6.40	26.15	187	187	0.0388
30	11.15	34.286	6.19							30	11.15	34.286	6.19	26.21	181	182	0.0573
50	10.55	34.298	6.05							50	10.55	34.298	6.05	26.32	170	171	0.0927
77	10.35	34.286	5.85							75	10.36	34.286	5.86	26.35	168	169	0.1353
102	10.28	34.277	5.85							100	10.28	34.277	5.85	26.35	167	169	0.1777
136	9.83	34.283	5.73							125	9.97	34.281	5.76	26.41	162	164	0.2195
158	8.49	34.260	5.95							150	8.97	34.268	5.87	26.56	147	150	0.2589
199	3.97	34.090	6.15							200	3.93	34.089	6.14	27.09	098	099	0.3214

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
248	2.27	34.048	5.72							250	2.22	34.048	5.71	27.21	086	087	0.3683
291	1.40	34.059	5.65							300	1.33	34.059	5.61	27.28	079	079	0.4101
389	0.70	34.061	5.22							400	0.67	34.062	5.30	27.33	075	075	0.4876
486	0.45	34.074	5.95														

KOREA .GYUNGBUG 853 . STATION 102-11 . 36-04.6. N, 131-13.6. E, APR.16.1983. 21:55 KST. DEPTH 1780 . COLOR . TRANS. ,
WAVE SE 1, SWELL SE 1, WIND SE 3, BARO 1020. , AIR TEMP. DRY 13.5, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	12.15	34.304	6.70							0	12.15	34.304	6.70	26.03	198	197	0.0000
10	11.60	34.314	6.22							10	11.60	34.314	6.22	26.15	187	187	0.0192
20	11.45	34.309	6.15							20	11.45	34.309	6.15	26.17	185	185	0.0379
30	11.04	34.351	6.20							30	11.04	34.351	6.20	26.28	175	175	0.0559
50	10.72	34.334	5.90							50	10.72	34.334	5.90	26.32	170	171	0.0906
77	10.41	34.304	5.90							75	10.43	34.306	5.90	26.35	168	169	0.1332
102	10.23	34.300	6.17							100	10.24	34.300	6.14	26.38	165	167	0.1753
129	9.92	34.286	6.00							125	9.96	34.288	6.02	26.42	161	164	0.2167
160	9.22	34.259	6.40							150	9.44	34.267	6.27	26.49	155	157	0.2570
204	6.40	34.227	5.70							200	6.65	34.229	5.76	26.88	118	120	0.3266
252	2.17	******	5.82							250	2.34	34.144	5.81	27.28	080	081	0.3771
291	1.49	34.091	5.51							300	1.41	34.088	5.50	27.30	077	078	0.4170
397	0.66	34.063	5.41							400	0.65	34.063	5.41	27.33	075	074	0.4937
493	0.43	34.067	5.65														

6 月(June)

KOREA .GYUNGBUG 853 . STATION 102-04 , 36-04.6. N, 129-36.9. E, JUN.11.1983, 02:20 KST, DEPTH 52 , COLOR , TRANS. ,
WAVE NE 2, SWELL NE 2, WIND NE 3, BARO 1018. , AIR TEMP. DRY 14.3, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	14.95	34.206	5.73							0	14.95	34.206	5.73	25.39	259	259	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	11.87	34.219	6.08							10	11.87	34.219	6.08	26.02	199	199	0.0229
20	7.44	34.161	6.09							20	7.44	34.161	6.09	26.71	133	133	0.0395
30	5.20	34.117	6.04							30	5.20	34.117	6.04	26.97	109	109	0.0517
50	3.32	34.097	5.93							50	3.32	34.097	5.93	27.15	092	092	0.0719

KOREA ,GYUNGBUG 853 , STATION 102-05 , 36-04.6. N, 129-41.3. E, JUN.11.1983, 03:05 KST, DEPTH 210 , COLOR , TRANS. ,
WAVE NW 2, SWELL NW 2, WIND NW 3, BARO 1018. , AIR TEMP. DRY 14.1, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	15.12	34.221	6.18							0	15.12	34.221	6.18	25.36	262	261	0.0000
10	12.26	34.227	6.13							10	12.26	34.227	6.13	25.95	205	205	0.0233
20	7.92	34.178	5.80							20	7.92	34.178	5.80	26.66	139	139	0.0406
30	7.19	34.161	6.09							30	7.19	34.161	6.09	26.75	130	130	0.0541
50	4.18	34.063	6.28							50	4.18	34.063	6.28	27.04	102	102	0.0774
65	2.91	34.084	6.23							75	2.40	34.080	6.11	27.22	085	085	0.1010
88	1.74	34.076	5.96							100	1.59	34.073	5.96	27.28	080	080	0.1217
130	1.23	34.066	5.99							125	1.29	34.067	5.98	27.29	078	078	0.1416
152	1.20	34.138	5.99							150	1.20	34.131	5.99	27.35	073	073	0.1606
196	1.09	34.084	5.94														

KOREA .GYUNGBUG 853 . STATION 102-06 . 36-04.6. N. 129-47.8. E, JUN.14.1983, 11:40 KST. DEPTH 700 . COLOR 7. TRANS. 7.0,
WAVE , SWELL , WIND SW 2. BARO 1011.5. AIR TEMP. DRY 22.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	18.28	33.985	5.83							0	18.28	33.985	5.83	24.44	349	349	0.0000
10	17.17	34.016	5.89							10	17.17	34.016	5.89	24.73	321	321	0.0335
20	15.17	34.090	5.98							20	15.17	34.090	5.98	25.25	272	273	0.0633
30	7.88	34.182	5.83							30	7.88	34.182	5.83	26.67	138	138	0.0838
50	6.05	34.207	5.73							50	6.05	34.207	5.73	26.94	112	112	0.1090

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
55	4.47	34.148	5.74							75	3.04	34.105	5.83	27.18	089	089	0.1342
84	2.41	34.086	5.88							100	2.05	34.088	5.90	27.26	082	082	0.1557
122	1.57	34.093	5.93							125	1.53	34.095	5.90	27.30	078	078	0.1758
148	1.29	34.111	5.75							150	1.27	34.109	5.75	27.33	075	075	0.1950
173	1.12	34.096	5.80							200	0.97	34.090	5.72	27.33	074	074	0.2325
198	0.98	34.090	5.73							250	0.78	34.099	5.65	27.35	073	072	0.2695
219	0.92	34.093	5.68														
260	0.74	34.102	5.65														
299	0.61	34.102	5.27														

KOREA .GYUNGBUG 853 . STATION 102-07 . 36-04.6. N. 130-00.0. E. JUN.14.1983. 13:15 KST. DEPTH 1390 . COLOR 4. TRANS. 8.0.

WAVE , SWELL . WIND SW 2, BARO 1010.5. AIR TEMP. DRY 22.6. WET , CLOUD. TYPE CI. AMT 02, WEATHER B ,

0	18.72	33.959	5.57							0	18.72	33.959	5.57	24.31	362	361	0.0000
10	17.86	33.959	5.56							10	17.86	33.959	5.56	24.52	341	341	0.0351
20	17.32	34.033	5.32							20	17.32	34.033	5.32	24.71	323	324	0.0684
30	15.13	34.198	5.47							30	15.13	34.198	5.47	25.34	264	264	0.0979
50	14.59	34.468	5.46							50	14.59	34.468	5.46	25.66	233	234	0.1478
65	12.20	34.410	5.58							75	12.88	34.426	5.54	25.99	202	204	0.2026
104	4.46	34.177	5.86							100	6.08	34.226	5.86	26.95	111	112	0.2422
109	3.76	34.161	5.57							125	3.00	34.112	5.45	27.19	088	088	0.2674
130	2.71	34.097	5.42							150	2.09	34.090	5.63	27.25	082	082	0.2888
163	1.70	34.086	5.78							200	1.11	34.085	5.55	27.32	076	076	0.3286
200	1.11	34.085	5.55							250	0.76	34.080	5.37	27.34	074	074	0.3662
228	0.88	34.083	5.47							300	0.51	34.074	5.17	27.35	073	073	0.4031
301	0.51	34.074	5.17														
383	0.41	34.088	5.16														

KOREA .GYUNGBUG 853 , STATION 102-08 , 36-04.6. N, 130-18.4. E, JUN.14.1983, 15:25 KST, DEPTH 1530 , COLOR 4, TRANS. 9.0,
WAVE SW 1, SWELL SW 1, WIND SW 3, BARO 1010. , AIR TEMP. DRY 23.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.09	34.461	5.57							0	19.09	34.461	5.57	24.60	334	334	0.0000
10	18.58	34.488	5.86							10	18.58	34.488	5.86	24.75	320	320	0.0327
20	18.09	34.456	5.42							20	18.09	34.456	5.42	24.85	310	311	0.0642
30	15.56	34.464	5.37							30	15.56	34.464	5.37	25.45	253	254	0.0925
50	14.67	34.437	5.43							50	14.67	34.437	5.43	25.62	237	238	0.1418
79	13.87	34.466	5.83							75	13.98	34.462	5.77	25.79	221	223	0.1995
100	12.26	34.425	5.76							100	12.26	34.425	5.76	26.11	191	193	0.2515
145	5.47	34.180	5.88							125	8.48	34.288	5.82	26.66	139	140	0.2933
158	3.23	34.126	5.90							150	4.60	34.159	5.88	27.07	099	101	0.3236
190	1.98	34.100	5.78							200	1.74	34.103	5.82	27.29	078	079	0.3687
216	1.36	34.108	5.90							250	0.97	34.092	5.59	27.33	074	074	0.4072
248	0.99	34.093	5.60							300	0.72	34.089	5.43	27.35	073	073	0.4443
319	0.63	34.088	5.38														
372	0.66	34.104	5.07														

KOREA .GYUNGBUG 853 . STATION 102-09 . 36-04.6. N. 130-36.9. E. JUN.14.1983. 17:30 KST. DEPTH 1880 . COLOR 4. TRANS. 9.0.
WAVE SW 1, SWELL SW 2, WIND SW 4, BARO 1009.5, AIR TEMP. DRY 23.0, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.74	34.431	5.57							0	18.74	34.431	5.57	24.67	328	327	0.0000
10	18.13	34.450	5.97							10	18.13	34.450	5.97	24.83	312	312	0.0320
20	17.34	34.474	5.47							20	17.34	34.474	5.47	25.04	292	292	0.0622
30	15.97	34.437	5.47							30	15.97	34.437	5.47	25.34	264	265	0.0901
50	14.74	34.434	5.68							50	14.74	34.434	5.68	25.61	238	239	0.1406
79	14.17	34.446	5.60							75	14.24	34.444	5.61	25.72	228	229	0.1993

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
117	9.83	34.373	5.57							100	11.77	34.405	5.58	26.19	183	185	0.2513
125	9.14	34.300	5.47							125	9.14	34.300	5.47	26.56	147	150	0.2933
135	9.20	34.233	5.69							150	6.24	34.198	5.69	26.91	115	117	0.3267
166	3.09	34.162	5.71							200	1.72	34.095	5.72	27.29	079	079	0.3759
202	1.64	34.092	5.73							250	0.99	34.087	5.69	27.33	075	075	0.4147
280	0.59	34.084	5.67							300	0.64	34.118	5.83	27.38	070	070	0.4512
300	0.64	34.118	5.83														
352	0.47	34.122	5.17														

KOREA .GYUNGBUG 853 . STATION 102-10 . 36-04.6. N. 130-55.1. E. JUN.14.1983. 19:40 KST. DEPTH 1440 . COLOR . TRANS. .

WAVE S 2. SWELL S 1. WIND S 4, BARO 1010. . AIR TEMP. DRY 20.0. WET . CLOUD. TYPE . AMT , WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.79	34.414	5.78							0	18.79	34.414	5.78	24.64	330	330	0.0000
10	18.65	34.421	5.98							10	18.65	34.421	5.98	24.68	326	326	0.0328
20	18.37	34.413	5.57							20	18.37	34.413	5.57	24.75	320	321	0.0652
30	17.33	34.445	5.70							30	17.33	34.445	5.70	25.02	294	294	0.0960
50	14.88	34.526	5.57							50	14.88	34.526	5.57	25.65	234	236	0.1491
65	14.37	34.579	5.72							75	13.24	34.508	5.65	25.98	203	205	0.2042
98	10.66	34.347	5.49							100	10.59	34.345	5.50	26.35	167	169	0.2511
144	9.21	34.312	5.73							125	9.80	34.326	5.63	26.47	156	158	0.2922
147	7.54	34.271	5.66							150	7.29	34.261	5.67	26.81	124	126	0.3278
194	3.74	34.129	5.83							200	3.48	34.127	5.85	27.16	091	092	0.3825
232	2.14	34.119	5.98							250	1.87	34.111	5.90	27.29	079	079	0.4256
280	1.43	34.099	5.78							300	1.22	34.104	5.78	27.33	075	075	0.4645
355	0.66	34.120	5.76														
363	0.46	34.106	5.45														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 102-11 . 36-04.6. N, 131-13.6. E. JUN.14.1983. 21:45 KST. DEPTH 1780 . COLOR . TRANS. .
WAVE S 2. SWELL S 1. WIND S 4. BARO 1011. . AIR TEMP. DRY 19.5. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.75	34.387	5.98							0	18.75	34.387	5.98	24.63	331	331	0.0000
10	18.80	34.390	5.72							10	18.80	34.390	5.72	24.62	332	332	0.0331
20	17.20	34.484	5.32							20	17.20	34.484	5.32	25.08	288	288	0.0642
30	16.47	34.537	5.27							30	16.47	34.537	5.27	25.30	268	268	0.0921
50	15.36	34.561	5.17							50	15.36	34.561	5.17	25.57	242	243	0.1433
52	14.26	34.533	5.29							75	13.06	34.457	5.51	25.97	203	205	0.1995
78	11.86	34.382	5.73							100	11.15	34.359	5.73	26.26	176	178	0.2474
120	4.15	34.131	5.78							125	3.81	34.126	5.71	27.13	094	095	0.2816
137	3.01	34.115	5.55							150	2.85	34.112	5.56	27.21	086	087	0.3045
248	1.69	34.095	5.70							200	2.26	34.103	5.63	27.25	082	083	0.3472
291	1.00	34.097	5.90							250	1.65	34.095	5.70	27.29	079	079	0.3879
324	0.70	34.109	5.47							300	0.91	34.100	5.78	27.34	073	073	0.4262
435	0.47	34.098	5.36							400	0.54	34.101	5.39	27.37	071	071	0.4988
517	0.38	34.124	5.28							500	0.39	34.118	5.29	27.39	069	069	0.5690

7月(July)

KOREA .GYUNGBUG 853 . STATION 102-04 . 36-04.6. N. 129-36.9. E. JUL.11.1983. 12:40 KST. DEPTH 52 . COLOR 3. TRANS. 17.0.
WAVE . SWELL . WIND NE 2. BARO 1013. . AIR TEMP. DRY 24.5. WET . CLOUD. TYPE CU. AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.18	33.801	*****							0	20.18	33.801	*****	23.82	409	408	0.0000
10	19.57	34.106	*****							10	19.57	34.106	*****	24.21	371	371	0.0390
20	15.92	33.966	*****							20	15.92	33.966	*****	24.99	297	298	0.0725
30	14.65	34.247	*****							30	14.65	34.247	*****	25.48	250	251	0.1000
50	5.93	34.277	*****							50	5.93	34.277	*****	27.01	105	106	0.1357

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL`	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 , STATION 102-05 , 36-04.6. N, 129-41.3. E, JUL.11.1983, 13:25 KST, DEPTH 210 , COLOR 3, TRANS. 15.0,
WAVE , SWELL , WIND NE 3, BARO 1013. , AIR TEMP. DRY 24.6, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

0	20.76	33.390	*****							0	20.76	33.390	*****	23.35	453	453	0.0000
10	18.77	33.600	*****							10	18.77	33.600	*****	24.03	389	389	0.0421
20	14.75	34.371	*****							20	14.75	34.371	*****	25.56	243	243	0.0737
30	14.67	34.352	*****							30	14.67	34.352	*****	25.56	243	243	0.0981
50	13.96	34.522	*****							50	13.96	34.522	*****	25.84	216	217	0.1443
67	9.73	34.309	*****							75	9.03	34.285	*****	26.57	147	148	0.1901
98	7.04	34.216	*****							100	6.86	34.209	*****	26.83	122	123	0.2241
118	5.24	34.149	*****							125	4.70	34.129	*****	27.04	103	104	0.2526
150	2.80	34.058	*****							150	2.80	34.058	*****	27.17	090	091	0.2770
204	2.10	34.068	*****							200	2.15	34.067	*****	27.23	084	085	0.3211

KOREA .GYUNGBUG 853 . STATION 102-06 . 36-04.6. N. 129-47.8. E. JUL.11.1983. 14:15 KST. DEPTH 700 . COLOR 3. TRANS. 13.0.
WAVE , SWELL , WIND NW 3, BARO 1012.5, AIR TEMP. DRY 23.3, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

0	21.42	33.135	*****							0	21.42	33.135	*****	22.98	489	488	0.0000
10	17.84	33.698	*****							10	17.84	33.698	*****	24.33	360	360	0.0424
20	14.73	34.382	*****							20	14.73	34.382	*****	25.57	242	242	0.0726
30	12.54	34.425	*****							30	12.54	34.425	*****	26.05	196	196	0.0945
50	10.01	34.347	*****							50	10.01	34.347	*****	26.46	158	158	0.1301
81	7.44	34.234	*****							75	7.93	34.255	*****	26.71	133	134	0.1668
109	5.50	34.153	*****							100	6.12	34.179	*****	26.91	115	116	0.1982
113	4.94	34.125	*****							125	4.11	34.119	*****	27.09	097	098	0.2251
149	2.46	34.109	*****							150	2.43	34.108	*****	27.24	083	084	0.2479
196	1.45	34.065	*****							200	1.42	34.065	*****	27.28	079	079	0.2890

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
253	1.07	34.072	*****							250	1.09	34.071	*****	27.31	077	077	0.3282
268	0.89	34.095	*****							300	0.78	34.089	*****	27.34	073	073	0.3660
350	0.63	34.080	*****							400	0.49	34.085	*****	27.36	072	072	0.4390
406	0.48	34.086	*****														

KOREA .GYUNGBUG 853 . STATION 102-07 , 36-04.6. N, 130-00.0. E. JUL.11.1983. 15:50 KST, DEPTH 1390 . COLOR 3. TRANS. 13.0.
WAVE , SWELL , WIND NW 3, BARO 1012.5, AIR TEMP. DRY 25.5, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC.

0	21.79	32.947	*****							0	21.79	32.947	*****	22.74	512	512	0.0000
10	20.90	33.121	*****							10	20.90	33.121	*****	23.11	476	476	0.0494
20	17.89	33.305	*****							20	17.89	33.305	*****	24.02	390	390	0.0928
30	13.93	34.086	*****							30	13.93	34.086	*****	25.51	247	248	0.1247
50	10.53	34.319	*****							50	10.53	34.319	*****	26.34	168	169	0.1665
81	7.11	34.206	*****							75	7.77	34.227	*****	26.72	133	134	0.2045
100	5.53	34.163	*****							100	5.53	34.163	*****	26.97	109	110	0.2351
106	2.39	34.085	*****							125	2.05	34.081	*****	27.25	082	083	0.2593
157	1.48	34.075	*****							150	1.60	34.076	*****	27.28	080	080	0.2797
217	0.99	34.073	*****							200	1.12	34.073	*****	27.31	077	077	0.3191
279	0.66	34.077	*****							250	0.81	34.075	*****	27.33	075	075	0.3571
295	0.60	34.084	*****							300	0.58	34.084	*****	27.35	073	072	0.3941
372	0.43	34.084	*****							400	0.40	34.085	*****	27.36	072	071	0.4664
461	0.34	34.088	*****														

KOREA .GYUNGBUG 853 . STATION 102-08 , 36-04.6. N, 130-18.4. E. JUL.11.1983, 17:55 KST, DEPTH 1530 , COLOR 3, TRANS. 14.0,
WAVE , SWELL , WIND NE 2, BARO 1012. . AIR TEMP. DRY 23.4, WET , CLOUD. TYPE , AMT , WEATHER ,

0	19.97	34.083	*****							0	19.97	34.083	*****	24.09	383	383	0.0000
10	17.99	34.086	*****							10	17.99	34.086	*****	24.59	335	335	0.0359

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	12.58	34.076	*****							20	12.58	34.076	*****	25.77	222	222	0.0638
30	10.25	******	*****							30	10.25	34.076	*****	26.20	182	182	0.0841
50	5.55	34.078	*****							50	5.55	34.078	*****	26.90	116	116	0.1140
64	3.77	34.093	*****							75	3.26	34.083	*****	27.15	092	092	0.1402
92	2.48	34.070	*****							100	2.13	34.110	*****	27.27	081	081	0.1619
109	1.75	34.155	*****							125	1.43	34.174	*****	27.37	071	071	0.1811
142	1.09	******	*****							150	1.06	34.205	*****	27.42	066	066	0.1983
200	0.92	34.268	*****							200	0.92	34.268	*****	27.48	061	061	0.2303
224	0.69	34.288	*****							250	0.51	34.196	*****	27.45	064	064	0.2616
254	0.49	34.182	*****							300	0.41	34.159	*****	27.42	066	066	0.2941
326	0.38	34.147	*****														
394	0.33	34.116	*****														

KOREA .GYUNGBUG 853 , STATION 102-09 , 36-04.6. N, 130-36.9. E, JUL.11.1983, 22:00 KST, DEPTH 1880 , COLOR , TRANS. ,
WAVE , SWELL , WIND NE 2, BARO 1012. , AIR TEMP. DRY 20.4, WET , CLOUD. TYPE , AMT , WEATHER ,

0	21.06	33.145	*****							0	21.06	33.145	*****	23.08	479	478	0.0000
10	17.12	33.855	*****							10	17.12	33.855	*****	24.62	332	332	0.0405
20	13.51	34.226	*****							20	13.51	34.226	*****	25.70	229	229	0.0686
30	11.97	34.340	*****							30	11.97	34.340	*****	26.10	192	192	0.0897
50	8.30	34.275	*****							50	8.30	34.275	*****	26.68	137	137	0.1228
60	5.36	34.120	*****							75	4.96	34.106	*****	26.99	107	108	0.1535
90	4.57	34.093	*****							100	4.19	34.113	*****	27.08	099	099	0.1795
110	3.81	34.134	*****							125	2.97	34.100	*****	27.19	088	089	0.2031
130	2.70	34.087	*****							150	1.65	34.081	*****	27.28	080	080	0.2243
152	1.55	34.081	*****							200	0.85	34.076	*****	27.33	075	075	0.2632

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
182	0.95	34.075	*****							250	0.65	34.073	*****	27.34	074	074	0.3005
217	0.77	34.077	*****							300	0.47	34.067	*****	27.34	073	073	0.3374
302	0.47	34.067	*****														
329	0.34	34.186	*****														

KOREA ,GYUNGBUG 853 , STATION 102-10 , 36-04.6. N, 130-55.1. E, JUL.11.1983, 22:05 KST, DEPTH 1440 , COLOR , TRANS. .
WAVE , SWELL , WIND NE 2, BARO 1012. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.81	32.916	*****							0	21.81	32.916	*****	22.71	515	514	0.0000
10	15.47	34.078	*****							10	15.47	34.078	*****	25.17	280	280	0.0397
20	16.65	34.010	*****							20	16.65	34.010	*****	24.85	310	310	0.0693
30	15.03	34.368	*****							30	15.03	34.368	*****	25.49	249	250	0.0973
50	14.52	34.458	*****							50	14.52	34.458	*****	25.67	232	233	0.1457
61	11.77	34.397	*****							75	9.87	34.329	*****	26.47	157	158	0.1947
110	5.12	34.159	*****							100	6.47	34.207	*****	26.88	117	118	0.2294
127	3.62	34.095	*****							125	3.79	34.102	*****	27.11	096	096	0.2563
151	2.45	34.064	*****							150	2.49	34.065	*****	27.20	087	087	0.2794
220	1.44	34.095	*****							200	1.73	34.086	*****	27.28	080	080	0.3215
254	0.89	34.081	*****							250	0.95	34.082	*****	27.33	075	075	0.3605
298	0.65	34.067	*****							300	0.64	34.067	*****	27.33	074	074	0.3980
392	0.38	34.070	*****							400	0.36	34.071	*****	27.35	072	072	0.4716
437	0.31	34.078	*****														

KOREA ,GYUNGBUG 853 , STATION 102-11 , 36-04.6. N, 131-13.6. E, JUL.12.1983. 00:10 KST, DEPTH 1780 , COLOR , TRANS. .
WAVE , SWELL , WIND NE 2, BARO 1012. , AIR TEMP. DRY 19.0, WET , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.51	33.042	*****							0	21.51	33.042	*****	22.88	498	498	0.0000
10	21.30	33.076	*****							10	21.30	33.076	*****	22.97	490	490	0.0494

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	17.37	33.867	*****							20	17.37	33.867	*****	24.57	337	337	0.0908
30	15.34	34.433	*****							30	15.34	34.433	*****	25.47	251	251	0.1202
50	14.55	34.436	*****							50	14.55	34.436	*****	25.65	234	235	0.1690
75	13.40	34.439	*****							75	13.40	34.439	*****	25.89	211	213	0.2252
100	6.19	34.134	*****							100	6.19	34.134	*****	26.86	119	120	0.2669
125	4.66	34.176	*****							125	4.66	34.176	*****	27.08	099	100	0.2945
150	3.29	34.123	*****							150	3.29	34.123	*****	27.18	089	090	0.3184
195	1.42	34.107	*****							200	1.37	34.106	*****	27.32	076	076	0.3601
257	0.81	34.098	*****							250	0.87	34.099	*****	27.35	073	073	0.3976
393	0.62	34.082	*****							300	0.74	34.092	*****	27.35	073	073	0.4344
404	0.44	34.079	*****							400	0.50	34.080	*****	27.35	073	072	0.5074
504	0.25	34.073	*****							500	0.25	34.073	*****	27.36	072	071	0.5795

8月(August)

KOREA .GYUNGBUG 853 . STATION 102-04 . 36-04.6. N. 129-36.9. E. AUG. 8.1983. 09:50 KST. DEPTH 52 . COLOR 4. TRANS. 10.0.
WAVE . SWELL . WIND SE 4. BARO 1014.5. AIR TEMP. DRY 28.5. WET . CLOUD. TYPE . AMT . WEATHER B .

0	22.04	33.104	5.82							0	22.04	33.104	5.82	22.79	507	507	0.0000
10	16.55	33.677	5.76							10	16.55	33.677	5.76	24.62	332	332	0.0420
20	14.90	34.177	5.63							20	14.90	34.177	5.63	25.37	260	261	0.0716
30	12.65	34.308	5.63							30	12.65	34.308	5.63	25.94	207	207	0.0951
50	7.74	34.226	5.64							50	7.74	34.226	5.64	26.72	133	133	0.1292

KOREA .GYUNGBUG 853 . STATION 102-05 . 36-04.6. N. 129-41.3. E. AUG. 8.1983. 10:35 KST. DEPTH 210 . COLOR 4. TRANS. 10.0.
WAVE . SWELL W 1. WIND SE 4. BARO 1014.5. AIR TEMP. DRY 28.3. WET . CLOUD. TYPE . AMT . WEATHER B .

0	23.02	33.213	5.52							0	23.02	33.213	5.52	22.59	526	525	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.49	33.624	5.53							10	14.49	33.624	5.53	25.04	293	292	0.0409
20	13.62	34.326	5.36							20	13.62	34.326	5.36	25.76	224	224	0.0668
30	12.20	34.351	5.68							30	12.20	34.351	5.68	26.06	195	196	0.0878
50	9.09	34.224	5.53							50	9.09	34.224	5.53	26.51	152	153	0.1227
73	5.17	34.153	5.45							75	5.05	34.150	5.46	27.01	105	105	0.1552
100	3.63	34.122	5.63							100	3.63	34.122	5.63	27.14	093	093	0.1801
122	2.68	34.102	5.73							125	2.47	34.098	5.71	27.23	084	085	0.2024
150	0.77	34.069	5.63							150	0.77	34.069	5.63	27.33	075	075	0.2224
208	0.66	34.082	5.53							200	0.67	34.080	5.54	27.34	073	073	0.2597

KOREA .GYUNGBUG 853 , STATION 102-06 . 36-04.6. N. 129-47.8. E. AUG. 8.1983. 11:30 KST. DEPTH 700 . COLOR 4. TRANS. 10.0.
WAVE , SWELL W 1, WIND SE 4. BARO 1014.5, AIR TEMP. DRY 27.4, WET . CLOUD. TYPE , AMT , WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	23.08	33.081	5.53							0	23.08	33.081	5.53	22.47	537	537	0.0000
10	14.66	33.575	5.63							10	14.66	33.575	5.63	24.96	300	300	0.0418
20	12.74	34.372	5.51							20	12.74	34.372	5.51	25.97	204	204	0.0670
30	10.62	34.355	5.43							30	10.62	34.355	5.43	26.36	167	167	0.0856
50	8.31	34.233	5.44							50	8.31	34.233	5.44	26.64	140	141	0.1165
75	5.72	34.153	5.33							75	5.72	34.153	5.33	26.94	112	113	0.1483
104	3.56	34.093	5.73							100	3.85	34.101	5.67	27.10	096	097	0.1747
125	3.15	34.119	5.84							125	3.15	34.119	5.84	27.19	088	089	0.1980
150	2.62	34.107	6.03							150	2.62	34.107	6.03	27.22	085	085	0.2199
184	1.40	34.094	5.05							200	1.24	34.088	5.37	27.31	076	076	0.2606
239	0.86	34.075	6.16							250	0.81	34.075	6.15	27.33	075	074	0.2985
288	0.64	34.079	6.13							300	0.60	34.081	6.14	27.35	073	073	0.3356
386	0.39	34.100	6.26							400	0.38	34.096	6.26	27.37	071	070	0.4076
465	0.34	34.081	6.31														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 102-07 , 36-04.6. N. 130-00.0. E. AUG. 8.1983. 13:05 KST. DEPTH 1390 , COLOR 4, TRANS. 10.0.

WAVE . SWELL , WIND SW 4. BARO 1014.5. AIR TEMP. DRY 28.0. WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.69	33.294	5.51							0	22.69	33.294	5.51	22.75	511	511	0.0000
10	14.40	33.615	5.43							10	14.40	33.615	5.43	25.05	291	291	0.0401
20	12.73	34.370	5.34							20	12.73	34.370	5.34	25.97	203	204	0.0649
30	9.91	34.296	5.51							30	9.91	34.296	5.51	26.43	160	160	0.0831
50	7.40	34.223	5.34							50	7.40	34.223	5.34	26.77	128	129	0.1121
83	4.88	34.192	5.28							75	5.49	34.199	5.29	27.00	106	107	0.1416
107	3.54	34.073	5.35							100	3.93	34.107	5.32	27.10	096	097	0.1672
115	3.20	34.077	5.76							125	2.41	34.074	5.75	27.21	086	086	0.1902
130	2.02	34.073	5.75							150	1.69	34.118	6.04	27.31	077	077	0.2107
148	1.71	34.120	6.08							200	1.26	34.092	5.55	27.32	076	076	0.2493
181	1.38	34.094	5.56							250	0.97	34.088	5.55	27.33	075	075	0.2873
300	0.68	34.085	5.55							300	0.68	34.085	5.55	27.35	073	073	0.3244
406	0.39	34.084	5.70							400	0.40	34.084	5.69	27.36	072	071	0.3970
511	0.28	34.082	5.83							500	0.29	34.082	5.81	27.37	071	071	0.4685

KOREA .GYUNGBUG 853 . STATION 102-08 . 36-04.6. N. 130-18.4. E. AUG. 8.1983. 15:15 KST. DEPTH 1530 . COLOR 4. TRANS. 9.0.

WAVE . SWELL , WIND SW 4. BARO 1014. . AIR TEMP. DRY 27.9. WET , CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.37	33.212	5.31							0	22.37	33.212	5.31	22.77	508	508	0.0000
10	14.14	33.406	5.27							10	14.14	33.406	5.27	24.94	301	301	0.0405
20	14.13	33.998	5.23							20	14.13	33.998	5.23	25.40	258	258	0.0685
30	13.69	34.318	5.20							30	13.69	34.318	5.20	25.74	226	226	0.0928
50	9.61	34.265	5.37							50	9.61	34.265	5.37	26.46	157	158	0.1313
86	5.04	34.108	5.53							75	6.43	34.155	5.48	26.85	121	121	0.1663

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
113	2.28	34.079	5.33							100	3.60	34.092	5.42	27.12	094	095	0.1935
132	1.75	34.070	5.53							125	1.94	34.073	5.45	27.25	082	082	0.2158
177	1.22	34.088	5.52							150	1.53	34.077	5.52	27.28	079	079	0.2361
212	0.86	34.077	5.78							200	0.98	34.080	5.69	27.32	075	075	0.2749
250	0.70	34.090	5.73							250	0.70	34.090	5.73	27.35	073	073	0.3122
294	0.48	34.082	5.43							300	0.47	34.082	5.41	27.36	072	072	0.3485
359	0.38	34.091	5.32							400	0.29	34.093	5.40	27.38	070	070	0.4199
464	0.16	34.098	5.55														

KOREA ,GYUNGBUG 853 , STATION 102-09 , 36-04.6. N, 130-36.9. E, AUG. 8.1983, 17:20 KST, DEPTH 1880 , COLOR 4, TRANS. 9.0.
WAVE , SWELL SW 1, WIND SW 3. BARO 1014.5, AIR TEMP. DRY 29.8, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	23.84	32.668	5.35							0	23.84	32.668	5.35	21.94	586	587	0.0000
10	15.76	33.354	5.41							10	15.76	33.354	5.41	24.55	339	339	0.0463
20	14.64	34.234	5.37							20	14.64	34.234	5.37	25.47	251	251	0.0758
30	14.16	34.324	5.28							30	14.16	34.324	5.28	25.65	235	235	0.1002
50	13.79	34.334	5.25							50	13.79	34.334	5.25	25.73	227	228	0.1466
93	11.15	34.315	5.58							75	12.25	34.322	5.44	26.03	198	200	0.2001
115	6.32	34.197	5.58							100	9.61	34.277	5.58	26.47	156	158	0.2449
120	4.82	34.099	5.53							125	4.60	34.097	5.56	27.02	104	105	0.2780
164	2.91	34.087	5.83							150	3.51	34.090	5.73	27.13	094	095	0.3030
190	1.49	34.070	5.65							200	1.39	34.070	5.61	27.29	079	079	0.3466
227	1.14	34.070	5.53							250	0.91	34.087	5.53	27.33	074	074	0.3852
264	0.78	34.098	5.53							300	0.58	34.084	5.37	27.35	073	072	0.4221
326	0.45	34.074	5.27							400	0.38	34.078	5.23	27.36	072	072	0.4946
408	0.38	34.079	5.23														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 102-10 . 36-04.6. N. 130-55.1. E. AUG. 8.1983. 19:30 KST. DEPTH 1440 . COLOR . TRANS. .

WAVE . SWELL SE 1. WIND SE 3. BARO 1015. . AIR TEMP. DRY 25.5, WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.69	32.626	5.58							0	23.69	32.626	5.58	21.96	587	586	0.0000
10	19.94	33.074	5.53							10	19.94	33.074	5.53	23.33	456	456	0.0521
20	16.11	33.318	5.61							20	16.11	33.318	5.61	24.45	349	349	0.0924
30	15.26	34.180	5.23							30	15.26	34.180	5.23	25.30	268	268	0.1233
50	14.05	34.238	5.45							50	14.05	34.238	5.45	25.60	239	240	0.1742
75	14.04	34.335	5.44							75	14.04	34.335	5.44	25.68	231	233	0.2334
109	12.10	34.302	*****							100	12.61	34.310	5.55	25.95	206	208	0.2886
131	5.52	34.176	5.65							125	7.31	34.210	5.63	26.77	128	130	0.3309
148	2.97	34.098	5.50							150	2.92	34.097	5.50	27.19	088	089	0.3584
201	1.75	34.076	5.71							200	1.77	34.076	5.70	27.27	081	081	0.4011
232	1.54	34.078	5.53							250	1.30	34.092	5.60	27.31	076	077	0.4407
260	1.17	34.100	5.64							300	0.61	34.071	5.42	27.34	074	074	0.4785
290	0.71	34.075	5.42														
311	0.50	34.067	5.43														

KOREA .GYUNGBUG 853 . STATION 102-11 . 36-04.6. N. 131-13.6. E. AUG. 8.1983. 21:35 KST. DEPTH 1780 . COLOR . TRANS. .

WAVE . SWELL SE 1. WIND SE 3. BARO 1015. . AIR TEMP. DRY 25.0. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.23	32.858	5.53							0	23.23	32.858	5.53	22.26	557	557	0.0000
10	21.71	33.254	5.33							10	21.71	33.254	5.33	22.99	488	488	0.0522
20	17.74	33.449	5.66							20	17.74	33.449	5.66	24.16	376	376	0.0955
30	16.21	33.743	5.68							30	16.21	33.743	5.68	24.75	320	320	0.1303
50	15.77	34.298	5.64							50	15.77	34.298	5.64	25.27	270	271	0.1896
84	14.61	34.368	5.75							75	14.91	34.349	5.72	25.50	248	250	0.2548

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
117	12.10	34.347	5.84							100	13.39	34.357	5.79	25.83	217	219	0.3136
122	8.45	34.263	5.65							125	8.05	34.251	5.67	26.69	135	137	0.3582
148	5.00	34.164	5.83							150	4.91	34.160	5.83	27.04	102	104	0.3884
200	2.67	34.081	5.83							200	2.67	34.081	5.83	27.20	087	088	0.4366
249	1.09	34.070	5.83							250	1.08	34.070	5.83	27.31	077	077	0.4781
275	0.89	34.086	5.83							300	0.77	34.069	5.73	27.33	075	075	0.5162
380	0.39	34.017	5.44							400	0.37	34.023	5.41	27.31	076	076	0.5919
481	0.31	34.048	5.33														

10月(October)

KOREA .GYUNGBUG 853 . STATION 102-04 . 36-04.6. N. 129-36.9. E. OCT.22.1983. 13:00 KST. DEPTH 52 . COLOR 4. TRANS. 12.0.
WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1018. . AIR TEMP. DRY 23.0. WET , CLOUD. TYPE . AMT , WEATHER B .

0	21.25	32.520	5.94	0	21.25	32.520	5.94	22.56	529	529	0.0000
10	21.22	32.458	5.87	10	21.22	32.458	5.87	22.52	533	533	0.0531
20	17.70	33.074	5.34	20	17.70	33.074	5.34	23.89	402	402	0.0999
30	9.33	34.171	5.02	30	9.33	34.171	5.02	26.43	160	160	0.1280
50	7.11	34.191	*****	50	7.11	34.191	*****	26.78	127	127	0.1569

KOREA .GYUNGBUG 853 . STATION 102-05 . 36-04.6. N. 129-41.3. E. OCT.22.1983. 13:40 KST. DEPTH 210 . COLOR 4. TRANS. 12.0.
WAVE NW 2. SWELL NW 1. WIND NW 2. BARO 1018. . AIR TEMP. DRY 22.5. WET . CLOUD. TYPE CI, AMT 02. WEATHER B .

0	21.51	32.384	5.87	0	21.51	32.384	5.87	22.39	545	545	0.0000
10	21.60	32.365	5.92	10	21.60	32.365	5.92	22.35	549	549	0.0547
20	22.14	32.768	5.50	20	22.14	32.768	5.50	22.50	534	535	0.1090
30	14.33	33.869	5.47	30	14.33	33.869	5.47	25.26	271	272	0.1493
50	10.74	34.327	5.32	50	10.74	34.327	5.32	26.31	171	172	0.1938

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
56	3.75	34.124	5.02							75	2.90	34.108	5.09	27.20	087	087	0.2263
97	2.11	34.094	5.17							100	1.84	34.119	5.58	27.30	078	078	0.2471
102	1.77	34.127	5.70							125	1.42	34.083	5.71	27.30	078	078	0.2667
136	1.26	34.062	5.72							150	1.02	34.064	5.76	27.31	077	077	0.2862
171	0.66	34.069	5.84														

KOREA .GYUNGBUG 853 . STATION 102-06 . 36-04.6. N. 129-47.8. E. OCT.25.1983. 11:30 KST. DEPTH 700 . COLOR 3. TRANS. 12.0.

WAVE NE 2. SWELL NE 2. WIND NE 3. BARO 1029. . AIR TEMP. DRY 19.0. WET . CLOUD. TYPE CU. AMT 05. WEATHER BC.

0	22.15	32.526	5.73							0	22.15	32.526	5.73	22.32	552	552	0.0000
10	22.16	32.511	5.83							10	22.16	32.511	5.83	22.30	553	553	0.0553
20	22.15	32.800	5.62							20	22.15	32.800	5.62	22.52	532	532	0.1096
30	22.15	33.525	*****							30	22.15	33.525	5.48	23.07	480	480	0.1603
50	14.77	34.231	5.22							50	14.77	34.231	5.22	25.44	254	255	0.2339
79	11.30	34.372	5.10							75	11.77	34.352	5.11	26.14	187	189	0.2895
98	4.43	34.152	5.12							100	4.17	34.145	5.15	27.11	096	097	0.3253
114	2.35	34.097	5.42							125	1.97	34.088	5.50	27.26	081	081	0.3477
154	0.99	34.065	5.72							150	1.12	34.068	5.69	27.31	077	077	0.3676
201	0.87	34.100	5.64							200	0.87	34.099	5.64	27.35	073	073	0.4054
253	0.72	34.074	5.62							250	0.72	34.075	5.62	27.34	074	074	0.4424
301	0.59	34.086	5.97							300	0.59	34.085	5.96	27.35	073	072	0.4792
393	0.54	34.077	5.72							400	0.52	34.076	5.70	27.35	073	073	0.5522
521	0.29	34.072	5.43							500	0.33	34.072	5.47	27.36	072	072	0.6248

KOREA .GYUNGBUG 853 . STATION 102-07 . 36-04.6. N. 130-00.0. E. OCT.25.1983. 13:00 KST, DEPTH 1390 . COLOR 3. TRANS. 17.0.

WAVE NE 3. SWELL NE 1. WIND NE 3. BARO 1029. . AIR TEMP. DRY 19.0. WET . CLOUD. TYPE CU, AMT 02. WEATHER B .

0	21.28	32.996	5.62							0	21.28	32.996	5.62	22.91	495	495	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	21.28	32.991	5.82							10	21.28	32.991	5.82	22.91	496	496	0.0495
20	16.72	33.087	5.41							20	16.72	33.087	5.41	24.13	379	379	0.0933
30	15.60	33.600	5.31							30	15.60	33.600	5.31	24.78	317	318	0.1282
50	15.41	34.347	5.22							50	15.41	34.347	5.22	25.39	259	260	0.1861
76	15.24	34.562	5.12							75	15.24	34.553	5.12	25.59	240	242	0.2489
105	11.25	34.335	5.03							100	11.93	34.374	5.04	26.13	189	191	0.3031
128	3.94	34.114	5.67							125	4.89	34.142	5.58	27.03	104	105	0.3401
163	1.96	34.069	5.88							150	2.69	34.085	5.80	27.20	087	088	0.3643
212	1.17	34.071	5.82							200	1.36	34.070	5.83	27.29	078	079	0.4061
265	0.87	34.073	5.87							250	0.95	34.072	5.85	27.32	076	076	0.4449
336	0.61	34.075	6.02							300	0.74	34.073	5.94	27.33	074	074	0.4826
376	0.50	34.077	6.14							400	0.46	34.075	6.00	27.35	073	072	0.5564
447	0.40	34.072	5.73														

KOREA .GYUNGBUG 853 . STATION 102-08 . 36-04.6. N. 130-18.4. E. OCT.25.1983. 15:00 KST. DEPTH 1530 . COLOR 3. TRANS. 17.0.
WAVE NE 3. SWELL NE 1. WIND NE 3. BARO 1028. . AIR TEMP. DRY 19.5. WET . CLOUD. TYPE CU. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.66	33.015	5.87							0	21.66	33.015	5.87	22.82	504	503	0.0000
10	21.61	33.004	5.82							10	21.61	33.004	5.82	22.83	503	503	0.0503
20	21.61	33.027	5.52							20	21.61	33.027	5.52	22.85	501	502	0.1006
30	21.56	33.034	5.52							30	21.56	33.034	5.52	22.86	500	500	0.1508
50	17.46	34.071	5.23							50	17.46	34.071	5.23	24.71	324	325	0.2334
77	15.35	34.372	5.23							75	15.50	34.349	5.23	25.37	261	262	0.3070
105	12.01	34.366	5.07							100	12.60	34.367	5.09	25.99	201	204	0.3653
120	9.67	34.286	5.51							125	8.24	34.233	5.59	26.65	139	141	0.4085
139	4.26	34.087	5.82							150	3.82	34.085	5.89	27.09	097	098	0.4385

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
192	2.15	34.078	6.16							200	2.03	34.077	6.14	27.25	083	083	0.4840
255	1.23	34.077	6.07							250	1.30	34.077	6.07	27.30	078	078	0.5245
298	0.97	34.079	6.22							300	0.96	34.078	6.21	27.32	075	075	0.5630
399	0.59	34.074	6.13							400	0.58	34.074	6.12	27.34	073	073	0.6377
508	0.38	34.074	5.87							500	0.39	34.074	5.88	27.35	072	072	0.7108

KOREA .GYUNGBUG 853 , STATION 102-09 , 36-04.6. N, 130-36.9. E, OCT.25.1983, 16:55 KST, DEPTH 1880 , COLOR 3, TRANS. 15.0.
WAVE NE 3, SWELL NE 1, WIND NE 2. BARO 1028. , AIR TEMP. DRY 15.8, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

0	21.54	33.079	6.04							0	21.54	33.079	6.04	22.90	496	496	0.0000
10	21.60	33.057	5.98							10	21.60	33.057	5.98	22.87	499	499	0.0497
20	21.62	33.074	5.42							20	21.62	33.074	5.42	22.88	498	499	0.0997
30	21.45	33.101	5.49							30	21.45	33.101	5.49	22.95	492	493	0.1493
50	18.90	34.017	5.33							50	18.90	34.017	5.33	24.31	362	363	0.2349
77	16.80	34.341	5.34							75	16.95	34.317	5.33	25.02	295	296	0.3175
107	14.13	34.437	5.17							100	14.75	34.414	5.20	25.59	240	242	0.3850
127	6.38	34.237	5.32							125	7.15	34.257	5.30	26.83	122	124	0.4309
164	3.54	34.119	5.77							150	4.61	34.163	5.59	27.07	099	100	0.4590
214	1.74	34.063	6.02							200	2.24	34.078	5.95	27.23	084	085	0.5055
256	1.29	34.077	6.08							250	1.35	34.075	6.07	27.30	078	078	0.5465
299	0.96	34.077	6.02							300	0.95	34.077	6.01	27.32	075	075	0.5851
378	0.55	34.079	5.84							400	0.51	34.078	5.83	27.35	073	072	0.6595
468	0.39	34.077	5.82														

KOREA .GYUNGBUG 853 . STATION 102-10 . 36-04.6. N. 130-55.1. E. OCT.25.1983. 18:55 KST. DEPTH 1440 . COLOR . TRANS. .
WAVE NE 3. SWELL NE 1. WIND SE 2. BARO 1028. . AIR TEMP. DRY 15.0. WET . CLOUD. TYPE . AMT . WEATHER C .

0	21.62	33.019	5.70							0	21.62	33.019	5.70	22.84	502	502	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	21.60	32.983	5.63							10	21.60	32.983	5.63	22.81	504	504	0.0503
20	21.64	33.027	5.62							20	21.64	33.027	5.62	22.84	502	503	0.1007
30	21.64	33.007	5.82							30	21.64	33.007	5.82	22.82	504	504	0.1511
50	17.71	33.771	5.52							50	17.71	33.771	5.52	24.42	351	353	0.2369
83	16.24	34.116	5.31							75	16.59	34.032	5.36	24.88	307	309	0.3198
103	15.41	34.462	5.23							100	15.53	34.410	5.24	25.41	257	259	0.3909
127	12.15	34.358	5.43							125	12.42	34.366	5.41	26.03	198	201	0.4486
157	4.57	34.104	6.03							150	6.33	34.163	5.89	26.86	119	121	0.4889
202	2.19	34.074	6.17							200	2.29	34.075	6.16	27.23	085	085	0.5406
248	1.45	34.074	5.94							250	1.47	34.074	5.93	27.29	079	079	0.5819
285	1.02	34.074	5.77							300	0.95	34.075	5.80	27.32	076	076	0.6207
360	0.70	34.079	5.92							400	0.58	34.075	5.82	27.34	073	073	0.6955
446	0.45	34.071	5.72														

KOREA .GYUNGBUG 853 . STATION 102-11 . 36-04.6. N, 131-13.6. E. OCT.25.1983. 20:50 KST. DEPTH 1780 . COLOR . TRANS. .

WAVE SE 3. SWELL SE 1. WIND SE 3. BARO 1018. . AIR TEMP. DRY 15.0. WET . CLOUD. TYPE . AMT . WEATHER C .

0	21.25	32.973	5.92							0	21.25	32.973	5.92	22.90	496	496	0.0000
10	21.26	32.950	5.61							10	21.26	32.950	5.61	22.88	498	498	0.0497
20	21.51	33.065	5.57							20	21.51	33.065	5.57	22.90	496	496	0.0995
30	21.49	33.077	5.51							30	21.49	33.077	5.51	22.92	495	495	0.1491
50	19.59	33.574	5.47							50	19.59	33.574	5.47	23.80	411	412	0.2399
76	14.93	34.131	5.52							75	15.10	34.109	5.51	25.28	270	271	0.3254
104	11.92	34.308	5.31							100	12.35	34.282	5.34	25.98	203	205	0.3851
123	8.02	34.218	5.87							125	7.57	34.204	5.89	26.73	132	134	0.4276
145	3.16	34.074	6.14							150	3.04	34.072	6.14	27.16	091	092	0.4558

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
197	1.93	34.063	6.17							200	1.88	34.064	6.15	27.25	082	083	0.4997
243	1.27	34.080	5.92							250	1.23	34.080	5.93	27.31	077	077	0.5399
288	1.02	34.082	6.02							300	0.95	34.080	6.02	27.33	075	075	0.5782
363	0.62	34.071	6.02							400	0.52	34.076	5.90	27.35	073	073	0.6526
457	0.38	34.086	5.74														

12月(December)

KOREA .GYUNGBUG 853 . STATION 102-04 . 36-04.6. N. 129-36.9. E. DEC. 4.1983. 16:25 KST. DEPTH 52 . COLOR 4. TRANS. 12.0.
WAVE NW 4. SWELL NW 1. WIND NW 4. BARO 1020. . AIR TEMP. DRY 11.0. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.97	33.993	6.51							0	14.97	33.993	6.51	25.22	275	275	0.0000
10	14.92	33.989	6.51							10	14.92	33.989	6.51	25.22	275	275	0.0275
20	14.90	33.985	6.32							20	14.90	33.985	6.32	25.23	274	275	0.0550
30	14.30	34.011	6.10							30	14.30	34.011	6.10	25.37	260	261	0.0818
50	14.50	34.202	5.68							50	14.50	34.202	5.68	25.48	250	251	0.1331

KOREA .GYUNGBUG 853 . STATION 102-05 . 36-04.6. N. 129-41.3. E. DEC. 4.1983. 15:15 KST. DEPTH 210 . COLOR 4. TRANS. 12.0.
WAVE NW 4. SWELL NW 1. WIND NW 4. BARO 1020. . AIR TEMP. DRY 10.4. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.09	34.027	6.31							0	15.09	34.027	6.31	25.22	275	275	0.0000
10	15.07	34.002	6.28							10	15.07	34.002	6.28	25.20	277	277	0.0276
20	15.09	33.994	6.36							20	15.09	33.994	6.36	25.19	278	278	0.0554
30	15.08	33.995	6.48							30	15.08	33.995	6.48	25.19	277	278	0.0832
50	14.40	34.018	6.54							50	14.40	34.018	6.54	25.36	262	263	0.1374
85	13.53	34.375	6.48							75	13.77	34.273	6.49	25.69	231	232	0.1994
102	4.54	34.150	6.20							100	5.59	34.176	6.23	26.97	109	110	0.2424
125	1.96	34.080	6.25							125	1.96	34.080	6.25	27.26	082	082	0.2665

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
144	1.61	34.063	6.27							150	1.54	34.062	6.27	27.27	080	080	0.2869
200	1.03	34.061	6.27							200	1.03	34.061	6.27	27.31	077	077	0.3265

KOREA .GYUNGBUG 853 . STATION 102-06 . 36-04.6. N. 129-47.8. E. DEC. 4.1983. 14:10 KST. DEPTH 700 . COLOR 3. TRANS. 13.0.
WAVE W 4. SWELL W 1. WIND W 4. BARO 1020.5. AIR TEMP. DRY 10.5. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.23	33.997	6.23							0	15.23	33.997	6.23	25.16	280	280	0.0000
10	15.32	33.999	6.41							10	15.32	33.999	6.41	25.15	282	282	0.0281
20	15.34	34.006	6.53							20	15.34	34.006	6.53	25.15	282	282	0.0564
30	15.34	33.993	6.23							30	15.34	33.993	6.23	25.14	283	284	0.0847
50	15.43	34.211	6.03							50	15.43	34.211	6.03	25.28	269	270	0.1402
76	15.13	34.523	5.78							75	15.14	34.511	5.78	25.58	241	243	0.2045
105	10.36	34.599	5.64							100	11.18	34.585	5.66	26.43	160	161	0.2551
120	6.05	34.255	5.63							125	4.84	34.241	5.75	27.11	096	097	0.2876
136	2.19	34.213	6.03							150	1.93	34.172	6.10	27.33	075	075	0.3091
189	1.24	34.058	6.33							200	1.14	34.059	6.30	27.30	078	078	0.3476
235	0.85	34.063	6.23							250	0.79	34.061	6.18	27.32	076	075	0.3862
287	0.66	34.057	6.08							300	0.62	34.058	6.01	27.33	075	075	0.4240
377	0.39	34.068	5.63							400	0.36	34.066	5.69	27.35	073	072	0.4979
488	0.28	34.062	5.74														

KOREA .GYUNGBUG 853 . STATION 102-07 . 36-04.6. N. 130-00.0. E. DEC. 4.1983. 12:30 KST. DEPTH 1390 . COLOR 3. TRANS. 15.0.
WAVE NW 4. SWELL NW 1. WIND NW 4. BARO 1023. . AIR TEMP. DRY 10.2. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.33	34.083	6.31							0	16.33	34.083	6.31	24.98	298	297	0.0000
10	16.38	34.088	6.20							10	16.38	34.088	6.20	24.97	298	298	0.0298
20	16.18	34.075	6.33							20	16.18	34.075	6.33	25.01	295	295	0.0595
30	16.06	34.071	6.35							30	16.06	34.071	6.35	25.03	293	293	0.0890

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	15.81	34.290	5.94							50	15.81	34.290	5.94	25.26	271	272	0.1457
74	15.30	34.504	5.81							75	15.16	34.501	5.81	25.57	242	244	0.2104
91	13.04	34.465	5.93							100	9.78	34.346	5.82	26.49	154	156	0.2605
113	5.09	34.175	5.68							125	3.81	34.150	5.82	27.15	092	093	0.2917
140	2.21	34.120	6.01							150	2.02	34.108	6.06	27.27	080	080	0.3135
188	1.33	34.063	6.28							200	1.25	34.062	6.29	27.29	078	078	0.3534
241	0.99	34.059	6.33							250	0.95	34.060	6.31	27.31	077	077	0.3924
291	0.77	34.065	6.25							300	0.73	34.064	6.22	27.33	075	075	0.4306
372	0.45	34.059	5.99							400	0.40	34.058	6.10	27.34	074	073	0.5051
433	0.35	34.057	6.23														

KOREA .GYUNGBUG 853 . STATION 102-08 . 36-04.6. N. 130-18.4. E. DEC. 4.1983. 10:25 KST. DEPTH 1530 . COLOR 3. TRANS. 14.0.
WAVE NW 4. SWELL NW 1. WIND NW 5. BARO 1023. . AIR TEMP. DRY 9.5. WET . CLOUD. TYPE . AMT . WEATHER 8 .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.15	34.070	6.33							0	16.15	34.070	6.33	25.01	295	294	0.0000
10	16.18	34.078	6.51							10	16.18	34.078	6.51	25.01	295	295	0.0295
20	16.06	34.078	6.32							20	16.06	34.078	6.32	25.04	292	292	0.0589
30	16.12	34.097	6.43							30	16.12	34.097	6.43	25.04	292	293	0.0882
50	15.86	34.256	5.75							50	15.86	34.256	5.75	25.22	275	276	0.1452
78	14.58	34.492	5.83							75	14.75	34.459	5.81	25.62	237	239	0.2096
100	10.54	34.401	5.63							100	10.54	34.401	5.63	26.41	162	164	0.2601
134	3.05	34.100	6.23							125	5.01	34.179	6.07	27.04	102	103	0.2937
154	2.10	34.062	6.15							150	2.28	34.069	6.16	27.22	085	085	0.3174
204	1.34	34.058	6.13							200	1.40	34.058	6.13	27.28	080	080	0.3589
247	1.00	34.058	6.03							250	0.98	34.058	6.03	27.31	077	077	0.3983
305	0.74	34.061	6.11							300	0.76	34.060	6.10	27.32	075	075	0.4366

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
398	0.47	34.065	5.84							400	0.46	34.064	5.84	27.34	074	073	0.5114
493	0.32	34.055	6.24														
KOREA .GYUNGBUG 853 . STATION 102-09 . 36-04.6. N. 130 36.9. E. DEC. 4.1983. 08:15 KST. DEPTH 1680 . COLOR 3. TRANS. 15.0.																	
WAVE NW 4. SWELL NW 1. WIND NW 5. BARO 1022. . AIR TEMP. DRY 9.8. WET . CLOUD. TYPE . AMT . WEATHER 8 ,																	
0	15.72	34.089	6.23							0	15.72	34.089	6.23	25.17	284	284	0.0000
10	15.76	34.089	6.32							10	15.76	34.089	6.32	25.12	285	285	0.0284
20	15.75	34.094	6.51							20	15.75	34.094	6.51	25.12	284	285	0.0570
30	15.76	34.096	6.14							30	15.76	34.096	6.14	25.12	284	285	0.0855
50	15.96	34.355	6.03							50	15.96	34.355	6.03	25.27	270	271	0.1412
74	15.20	34.477	5.86							75	15.02	34.473	5.86	25.57	241	243	0.2056
98	11.09	34.393	5.95							100	10.74	34.380	5.95	26.35	167	169	0.2573
148	2.55	34.077	6.13							125	6.47	34.222	6.04	26.89	116	118	0.2933
164	2.03	34.063	6.02							150	2.48	34.075	6.11	27.21	086	087	0.3169
212	1.28	34.054	6.33							200	1.46	34.056	6.25	27.27	080	080	0.3609
247	1.05	34.054	6.27							250	1.03	34.054	6.26	27.30	078	078	0.4006
316	0.65	34.058	6.13							300	0.74	34.057	6.16	27.32	076	075	0.4392
354	0.50	34.053	6.23							400	0.41	34.053	6.28	27.34	074	074	0.5142
435	0.35	34.053	6.33														
KOREA .GYUNGBUG 853 . STATION 102 10 . 36-04.6. N. 130 55.1. E. DEC. 4.1983. 06:10 KST. DEPTH 1440 . COLOR . TRANS. .																	
WAVE NW 3. SWELL NW 1. WIND NW 2. BARO 1022. . AIR TEMP. DRY 9.2. WET . CLOUD. TYPE . AMT , WEATHER 8 .																	
0	16.67	34.113	6.78							0	16.67	34.113	6.78	24.93	303	303	0.0000
10	16.85	34.108	6.63							10	16.85	34.108	6.63	24.88	307	307	0.0305
20	16.57	34.109	6.41							20	16.57	34.109	6.41	24.95	301	301	0.0610
30	16.60	34.112	6.18							30	16.60	34.112	6.18	24.94	302	302	0.0912
50	16.65	34.131	6.35							50	16.65	34.131	6.35	24.94	301	302	0.1518

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
73	15.99	34.472	6.11							75	15.98	34.468	6.11	25.36	262	264	0.2227
93	15.87	34.411	6.19							100	15.11	34.414	6.12	25.51	248	250	0.2671
[illegible]	[illegible]	34.423	5.93							125	11.68	34.356	5.90	26.16	185	188	0.3427
159	7.41	34.172	5.84							150	6.41	34.144	5.93	26.84	121	123	0.3810
182	2.06	34.064	6.23							200	1.70	34.061	6.23	27.26	081	082	0.4324
217	1.37	34.059	6.23							250	1.16	34.057	6.35	27.29	078	078	0.4727
271	1.04	34.056	6.43							300	0.90	34.057	6.36	27.31	077	077	0.5116
348	0.68	34.059	6.25							400	0.56	34.070	6.11	27.34	074	073	0.5871
428	0.51	34.077	6.04														

KOREA .GYUNGBUG 853 . STATION 102-11 . 36-04.6. N. 131-13.6. E. DEC. 4.1983. 04:00 KST. DEPTH 1780 . COLOR . TRANS. .

WAVE N 3. SWELL N 1. WIND N 4. BARO 1022. . AIR TEMP. DRY 9.4. WET . CLOUD. TYPE . AMT . WEATHER C .

0	16.72	34.132	6.60							0	16.72	34.132	6.60	24.93	303	302	0.0000
10	16.80	34.135	6.63							10	16.80	34.135	6.63	24.91	304	304	0.0303
20	16.81	34.132	6.65							20	16.81	34.132	6.65	24.91	305	305	0.0609
30	16.81	34.137	6.53							30	16.81	34.137	6.53	24.91	304	305	0.0914
50	16.69	34.137	6.63							50	16.69	34.137	6.63	24.94	302	303	0.1523
79	16.32	34.425	5.84							75	16.77	34.385	5.94	25.20	277	278	0.2251
97	15.09	34.519	5.93							100	14.56	34.488	5.78	25.69	231	231	0.2892
110	12.82	34.387	6.15							125	6.61	34.184	6.22	26.85	121	122	0.3337
127	5.79	34.158	6.23							150	4.44	34.121	6.24	27.06	101	102	0.3616
185	2.41	34.066	6.26							200	2.08	34.067	6.23	27.24	084	084	0.4085
216	1.75	34.070	6.21							250	1.35	34.056	5.93	27.28	079	080	0.4497
267	1.16	34.049	5.79							300	0.92	34.049	5.84	27.30	077	077	0.4892
345	0.61	34.049	5.93														
397	0.42	34.054	6.14														

209線 海洋観測 成績

Oceanographic Data. Line 209

2 月(February)

KOREA .GYUNGBUG 853 . STATION 209-04 . 35-47.3. N. 129-32.8. E. FEB. 6.1983. 10:25 KST. DEPTH 64 . COLOR 5. TRANS. 5.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1016. . AIR TEMP. DRY 13.2. WET . CLOUD. TYPE . AMT . WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.86	34.444	6.51							0	12.86	34.444	6.51	26.00	201	200	0.0000
10	12.85	34.526	6.35							10	12.85	34.526	6.35	26.07	194	194	0.0197
20	12.85	34.521	6.41							20	12.85	34.521	6.41	26.07	195	195	0.0392
30	12.85	34.476	6.26							30	12.85	34.476	6.26	26.03	198	198	0.0589
50	12.85	34.485	6.18							50	12.85	34.485	6.18	26.04	197	198	0.0987
60	11.93	34.489	6.22														

KOREA .GYUNGBUG 853 . STATION 209-05 . 35-45.4. N. 129-38.4. E. FEB. 6.1983. 09:30 KST. DEPTH 150 . COLOR 3. TRANS. 15.0.

WAVE SW 1. SWELL SW 1. WIND SW 3. BARO 1016. . AIR TEMP. DRY 10.0. WET . CLOUD. TYPE . AMT . WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.81	34.569	6.77							0	13.81	34.569	6.77	25.91	210	209	0.0000
10	13.84	34.557	6.71							10	13.84	34.557	6.71	25.89	211	211	0.0210
20	13.81	34.548	6.46							20	13.81	34.548	6.46	25.89	211	211	0.0422
30	13.81	34.536	6.28							30	13.81	34.536	6.28	25.88	212	213	0.0635
50	13.65	34.498	6.13							50	13.65	34.498	6.13	25.89	212	213	0.1061
72	13.15	34.467	5.90							75	12.41	34.451	5.90	26.10	192	193	0.1570
91	8.47	34.367	5.94							100	6.32	34.334	5.95	27.00	106	107	0.1946
114	3.00	34.283	5.99							125	2.63	34.266	5.95	27.35	073	073	0.2173
136	2.27	34.250	5.92														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 209-06 . 35-41.3. N. 129-49.0. E. FEB. 6.1983. 08:05 KST. DEPTH 250 . COLOR . TRANS.																	
WAVE SW 1. SWELL SW 1. WIND SW 4. BARO 1017.5. AIR TEMP. DRY 9.0. WET . CLOUD. TYPE . AMT . WEATHER B .																	
0	13.87	34.476	6.41							0	13.87	34.476	6.41	25.82	216	217	0.0000
10	13.92	34.479	6.41							10	13.92	34.479	6.41	25.82	218	218	0.0216
20	13.87	34.477	6.21							20	13.87	34.477	6.21	25.82	218	218	0.0437
30	13.92	34.474	6.39							30	13.92	34.474	6.39	25.81	219	219	0.0656
50	13.87	34.482	6.05							50	13.87	34.482	6.05	25.83	217	218	0.1094
75	13.91	34.472	6.02							75	13.91	34.472	6.02	25.81	219	220	0.1644
91	13.35	34.420	6.22							100	11.27	34.334	6.09	26.23	179	181	0.2147
111	8.65	34.231	5.94							125	6.75	34.328	5.93	26.94	112	113	0.2516
150	3.37	34.503	5.92							150	3.37	34.503	5.92	27.47	061	062	0.2737
187	1.38	34.302	6.01							200	1.30	34.301	6.01	27.48	061	061	0.3047
240	1.07	34.298	6.01														
KOREA .GYUNGBUG 853 . STATION 209-07 . 35-36.8. N. 130-00.3. E. FEB. 6.1983. 06:40 KST. DEPTH 250 . COLOR . TRANS.																	
WAVE . SWELL SW 1. WIND SW 4. BARO 1017.5. AIR TEMP. DRY 8.8. WET . CLOUD. TYPE . AMT . WEATHER .																	
0	13.81	34.521	6.53							0	13.81	34.521	6.53	25.87	213	213	0.0000
10	13.79	34.510	6.64							10	13.79	34.510	6.64	25.87	214	214	0.0213
20	13.86	34.527	6.40							20	13.86	34.527	6.40	25.86	214	214	0.0428
30	13.82	34.530	6.56							30	13.82	34.530	6.56	25.88	213	213	0.0642
50	13.63	34.535	6.31							50	13.63	34.535	6.31	25.92	209	210	0.1066
100	12.93	34.386	6.56							75	13.28	34.460	6.43	25.93	207	209	0.1590
120	10.12	34.325	6.52							100	12.93	34.386	6.56	25.95	206	208	0.2113
127	5.83	34.099	6.00							125	5.62	34.163	6.14	26.96	110	112	0.2514
163	2.15	34.062	6.39							150	2.75	34.075	6.24	27.19	088	089	0.2766

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
201	1.30	34.202	6.25							200	1.32	34.198	6.25	27.40	068	069	0.3162
245	0.85	34.060	6.23														
KOREA .GYUNGBUG 853 . STATION 209-08 . 35-30.8. N. 130-16.9. E. FEB. 6.1983. 04:45 KST. DEPTH 200 . COLOR . TRANS. .																	
WAVE , SWELL SW 1. WIND SW 4. BARO 1018. . AIR TEMP. DRY 9.0. WET . CLOUD. TYPE . AMT . WEATHER .																	
0	12.07	34.258	6.43							0	12.07	34.258	6.43	26.01	200	199	0.0000
10	11.92	34.220	6.72							10	11.92	34.220	6.72	26.01	200	200	0.0199
20	11.66	34.170	6.74							20	11.66	34.170	6.74	26.02	199	199	0.0399
30	11.45	34.140	6.74							30	11.45	34.140	6.74	26.04	197	198	0.0598
50	11.46	34.140	6.51							50	11.46	34.140	6.51	26.04	197	198	0.0995
77	11.30	34.126	6.51							75	11.31	34.127	6.51	26.05	196	197	0.1490
96	10.88	34.101	6.42							100	10.31	34.115	6.41	26.22	180	181	0.1965
127	6.47	34.215	6.36							125	6.75	34.207	6.36	26.84	121	122	0.2346
150	1.86	34.225	6.22							150	1.86	34.225	6.22	27.38	070	070	0.2588
195	1.14	34.489	6.21														
KOREA .GYUNGBUG 853 . STATION 209-09 . 35-24.4. N. 130-33.5. E. FEB. 6.1983, 02:50 KST. DEPTH 150 . COLOR . TRANS. ,																	
WAVE . SWELL SW 1. WIND SW 4. BARO 1018. . AIR TEMP. DRY 9.2. WET . CLOUD. TYPE , AMT . WEATHER .																	
0	11.60	34.124	6.80							0	11.60	34.124	6.80	26.00	201	201	0.0000
10	11.21	34.114	6.62							10	11.21	34.114	6.62	26.06	195	195	0.0198
20	11.24	34.119	6.86							20	11.24	34.119	6.86	26.06	195	195	0.0393
30	11.20	34.167	6.86							30	11.20	34.167	6.86	26.11	191	191	0.0587
50	11.20	34.122	6.53							50	11.20	34.122	6.53	26.07	194	195	0.0974
82	11.22	34.118	6.52							75	11.21	34.118	6.52	26.07	195	196	0.1464
96	10.07	34.317	6.45							100	9.60	34.315	6.42	26.50	154	155	0.1905

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
132	5.91	34.300	6.22							125	6.71	34.303	6.26	26.92	113	115	0.2244
143	3.34	34.067	6.00														

KOREA .GYUNGBUG 853 , STATION 209-10 , 35-17.8. N, 130-50.0. E, FEB. 6.1983, 00:50 KST. DEPTH 140 . COLOR , TRANS. .
WAVE W 2. SWELL W 2. WIND W 3. BARO 1019. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE . AMT . WEATHER B , ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.58	34.181	6.22							0	11.58	34.181	6.22	26.05	196	196	0.0000
10	11.58	34.186	6.15							10	11.58	34.186	6.15	26.05	196	196	0.0196
20	11.58	34.207	6.64							20	11.58	34.207	6.64	26.07	195	195	0.0392
30	11.57	34.240	6.47							30	11.57	34.240	6.47	26.09	192	192	0.0586
50	11.56	34.295	6.33							50	11.56	34.295	6.33	26.14	188	189	0.0968
75	11.30	34.125	6.30							75	11.30	34.125	6.30	26.05	196	197	0.1451
99	10.46	34.162	6.51							100	10.25	34.161	6.50	26.27	175	177	0.1920
121	5.98	34.159	6.34							125	5.08	34.163	6.29	27.02	104	105	0.2274
133	3.28	34.173	6.19														

KOREA .GYUNGBUG 853 . STATION 209-11 , 35-11.4. N. 131-06.6. E, FEB. 5.1983, 23:00 KST. DEPTH 140 . COLOR , TRANS. .
WAVE W 2, SWELL W 2. WIND W 3. BARO 1019. . AIR TEMP. DRY 9.5, WET , CLOUD. TYPE . AMT . WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.57	34.324	6.32							0	11.57	34.324	6.32	26.16	186	185	0.0000
10	11.56	34.190	6.39							10	11.56	34.190	6.39	26.06	195	195	0.0190
20	11.58	34.180	6.41							20	11.58	34.180	6.41	26.05	197	197	0.0387
30	11.57	34.182	6.10							30	11.57	34.182	6.10	26.05	196	197	0.0584
50	11.56	34.263	6.41							50	11.56	34.263	6.41	26.11	190	191	0.0973
75	11.51	34.261	6.46							75	11.51	34.261	6.46	26.12	189	191	0.1451
98	10.43	34.236	6.51							100	10.26	34.234	6.48	26.32	170	172	0.1906
125	8.31	34.211	6.22							125	7.33	34.190	6.15	26.75	130	131	0.2286
155	7.43	34.109	5.90														

4 月(April)

KOREA .GYUNGBUG 853 . STATION 209-04 . 35-47.3. N. 129-32.8. E. APR.14.1983. 03:15 KST. DEPTH 64 . COLOR . TRANS. .
WAVE NW 1. SWELL NW 1. WIND NW 2. BARO 1018. . AIR TEMP. DRY 13.9. WET . CLOUD. TYPE . AMT , WEATHER C .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.07	34.508	6.97							0	14.07	34.508	6.97	25.81	219	219	0.0000
10	14.05	34.527	6.75							10	14.05	34.527	6.75	25.83	218	217	0.0218
20	13.55	34.511	6.72							20	13.55	34.511	6.72	25.92	209	209	0.0432
30	13.41	34.501	5.93							30	13.41	34.501	5.93	25.94	207	207	0.0641
50	13.39	34.500	6.90							50	13.39	34.500	6.90	25.94	207	208	0.1057
60	13.27	34.480	6.83														

KOREA .GYUNGBUG 853 . STATION 209-05 . 35-45.4. N. 129-38.4. E. APR.14.1983. 02:20 KST. DEPTH 150 . COLOR . TRANS. .
WAVE NW 1. SWELL NW 1. WIND NW 2. BARO 1018.5. AIR TEMP. DRY 13.9. WET . CLOUD. TYPE . AMT . WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.08	34.500	6.30							0	14.08	34.500	6.30	25.80	220	220	0.0000
10	14.09	34.530	6.22							10	14.09	34.530	6.22	25.82	218	218	0.0219
20	13.80	34.364	5.90							20	13.80	34.364	5.90	25.75	225	225	0.0441
30	13.39	34.394	6.00							30	13.39	34.394	6.00	25.86	214	215	0.0661
50	12.56	34.364	6.75							50	12.56	34.364	6.75	26.00	201	202	0.1079
60	11.59	******	5.86							75	10.26	34.290	5.53	26.37	166	167	0.1541
69	10.57	34.286	5.47							100	9.01	34.306	5.83	26.59	145	147	0.1935
106	8.71	34.311	5.90							125	3.13	34.125	5.42	27.19	088	088	0.2230
126	2.84	34.116	5.40														

KOREA .GYUNGBUG 853 . STATION 209-06 . 35-41.3. N. 129-49.0. E, APR.14.1983. 00:50 KST. DEPTH 250 . COLOR . TRANS. .
WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1019. . AIR TEMP. DRY 13.5. WET . CLOUD. TYPE , AMT , WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.46	34.553	5.50							0	14.46	34.553	5.50	25.76	224	224	0.0000
10	14.45	34.570	5.90							10	14.45	34.570	5.90	25.77	222	222	0.0223

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	14.39	******	6.08							20	14.39	34.571	6.08	25.79	221	221	0.0445
30	14.39	34.572	5.50							30	14.39	34.572	5.50	25.79	221	222	0.0667
50	14.26	34.580	5.50							50	14.26	34.580	5.50	25.82	218	219	0.1109
65	13.43	34.528	5.80							75	13.20	34.522	5.68	26.00	201	203	0.1638
90	12.87	34.514	5.50							100	12.43	34.486	5.50	26.12	190	192	0.2132
123	11.45	34.424	5.50							125	11.02	34.411	5.51	26.33	170	172	0.2588
149	5.98	34.257	5.65							150	5.80	34.250	5.65	27.00	106	107	0.2939
177	1.00	34.085	5.80							200	0.93	34.078	5.75	27.33	075	075	0.3398
228	0.85	34.070	5.70														

KOREA .GYUNGBUG 853 . STATION 209-07 . 35-36.8. N. 130-00.3. E. APR.13.1983. 23:30 KST. DEPTH 250 . COLOR . TRANS. .

WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1020. . AIR TEMP. DRY 13.5. WET . CLOUD. TYPE . AMT . WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.10	34.561	5.60							0	14.10	34.561	5.60	25.84	216	216	0.0000
10	14.10	34.579	5.72							10	14.10	34.579	5.72	25.85	215	215	0.0215
20	14.10	34.579	5.75							20	14.10	34.579	5.75	25.85	215	215	0.0431
30	14.10	34.571	6.00							30	14.10	34.571	6.00	25.85	215	216	0.0646
50	13.87	34.578	6.73							50	13.87	34.578	6.73	25.90	210	211	0.1074
79	13.65	34.564	6.59							75	13.68	34.565	6.60	25.93	207	209	0.1601
98	11.45	34.434	6.22							100	11.06	34.411	6.21	26.32	171	172	0.2079
115	8.17	34.239	6.20							125	6.65	34.185	6.23	26.84	121	123	0.2449
138	4.69	34.115	6.29							150	3.48	34.093	6.32	27.13	093	094	0.2722
160	2.48	34.076	6.35							200	1.63	34.060	6.12	27.26	081	081	0.3163
240	0.78	34.044	5.90														

KOREA .GYUNGBUG 853 . STATION 209-08 . 35-30.8. N. 130-16.9. E. APR.13.1983. 21:35 KST. DEPTH 200 . COLOR . TRANS. .

WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1019. . AIR TEMP. DRY 13.5. WET . CLOUD. TYPE . AMT . WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.08	34.566	6.78							0	14.08	34.566	6.78	25.85	215	215	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.06	34.584	*****							10	14.06	34.584	6.70	25.87	214	214	0.0214
20	13.94	34.570	6.62							20	13.94	34.570	6.62	25.88	212	212	0.0428
30	13.10	34.525	6.00							30	13.10	34.525	6.00	26.02	199	200	0.0634
50	11.71	34.379	6.29							50	11.71	34.379	6.29	26.18	184	185	0.1020
86	10.51	34.290	6.40							75	10.87	34.317	6.36	26.28	174	176	0.1472
102	7.87	34.215	6.52							100	8.20	34.224	6.50	26.65	139	141	0.1868
133	5.56	34.135	6.30							125	6.15	34.155	6.35	26.88	117	119	0.2194
158	1.93	34.070	6.50							150	3.09	34.090	6.43	27.17	090	091	0.2456
195	0.73	34.084	6.05														

KOREA .GYUNGBUG 853 . STATION 209-09 . 35 24.4. N, 130-33.5. E. APR.13.1983. 19:40 KST. DEPTH 150 . COLOR . TRANS. .
WAVE NE 1. SWELL NE 1. WIND NE 1, BARO 1019. , AIR TEMP. DRY 13.2. WET . CLOUD. TYPE . AMT . WEATHER C .

0	11.90	34.372	6.30							0	11.90	34.372	6.30	26.13	188	188	0.0000
10	11.90	34.405	6.57							10	11.90	34.405	6.57	26.16	186	186	0.0187
20	11.84	34.422	6.40							20	11.84	34.422	6.40	26.18	183	184	0.0372
30	11.64	34.415	6.60							30	11.64	34.415	6.60	26.22	180	181	0.0554
50	10.54	34.342	6.62							50	10.54	34.342	6.62	26.36	167	168	0.0904
74	8.36	34.247	6.60							75	8.29	34.244	6.58	26.65	139	140	0.1289
103	6.61	34.170	6.30							100	6.79	34.177	6.33	26.82	123	125	0.1621
123	4.76	34.106	6.25							125	4.55	34.103	6.24	27.03	103	104	0.1908
146	2.37	34.072	6.20														

KOREA .GYUNGBUG 853 . STATION 209-10 . 35-17.8. N. 130-50.0. E. APR.13.1983, 17:45 KST. DEPTH 140 . COLOR 3. TRANS. 15.0.
WAVE NE 2. SWELL NE 2. WIND NE 3. BARO 1018.5. AIR TEMP. DRY 14.0. WET . CLOUD. TYPE NS. AMT 09, WEATHER C ,

0	12.98	34.413	6.20							0	12.98	34.413	6.20	25.96	205	205	0.0000
10	12.98	34.415	6.20							10	12.98	34.415	6.20	25.96	205	205	0.0205

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	11.30	34.358	6.45							20	11.30	34.358	6.45	26.24	179	179	0.0397
30	10.64	34.357	*****							30	10.64	34.357	6.33	26.35	167	168	0.0571
50	9.76	34.302	6.10							50	9.76	34.302	6.10	26.46	157	158	0.0897
77	8.97	34.275	6.50							75	8.99	34.277	6.47	26.57	147	148	0.1280
100	7.77	34.262	5.95							100	7.77	34.262	5.95	26.75	130	131	0.1631
119	4.97	34.153	6.40							125	3.36	34.109	6.20	27.16	091	092	0.1910
128	2.88	34.096	6.15														

KOREA .GYUNGBUG 853 . STATION 209-11 . 35-11.4. N. 131-06.6. E. APR.13.1983. 15:50 KST. DEPTH 140 . COLOR 3. TRANS. 15.0.

WAVE NE 2. SWELL NE 2. WIND NE 4. BARO 1018. . AIR TEMP. DRY 15.0. WET . CLOUD. TYPE NS. AMT 09. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.59	34.535	6.20							0	13.59	34.535	6.20	25.93	208	208	0.0000
10	13.58	34.544	6.92							10	13.58	34.544	6.92	25.94	207	207	0.0207
20	13.58	34.542	6.97							20	13.58	34.542	6.97	25.93	207	207	0.0415
30	12.97	34.532	6.90							30	12.97	34.532	6.90	26.05	196	197	0.0617
50	12.07	34.487	6.59							50	12.07	34.487	6.59	26.19	183	184	0.0999
79	11.84	34.489	6.50							75	11.87	34.488	6.51	26.23	179	180	0.1455
98	8.76	34.531	6.50							100	8.19	34.519	6.48	26.88	117	119	0.1830
115	3.96	34.433	6.35							125	2.98	34.383	6.15	27.41	067	068	0.2064
126	2.89	34.379	6.13														

6月(June)

KOREA .GYUNGBUG 857 . STATION 209-04 . 35-47.3. N. 129-32.8. E. JUN.11.1983. 00:05 KST. DEPTH 64 . COLOR . TRANS. .

WAVE NW 2. SWELL NW 1. WIND NW 4. BARO 1017. . AIR TEMP. DRY 15.0. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.66	34.053	5.98							0	17.66	34.053	5.98	24.64	330	330	0.0000
10	17.75	34.046	5.96							10	17.75	34.046	5.96	24.62	332	332	0.0331

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	15.55	34.136	5.88							20	15.55	34.136	5.88	25.20	277	277	0.0636
30	9.22	34.284	5.88							30	9.22	34.284	5.88	26.54	150	150	0.0851
50	6.12	34.211	5.83							50	6.12	34.211	5.83	26.93	113	113	0.1115
62	3.11	34.133	5.83														

KOREA .GYUNGBUG 853 . STATION 209-05 . 35-45.4. N. 129-38.4. E. JUN.10.1983. 23:10 KST. DEPTH 150 . COLOR . TRANS. .

WAVE NW 2. SWELL NW 1. WIND NW 4. BARO 1017. . AIR TEMP. DRY 15.5. WET . CLOUD. TYPE . AMT . WEATHER 8 .

0	17.83	34.038	5.78							0	17.83	34.038	5.78	24.59	335	335	0.0000
10	17.81	34.044	5.64							10	17.81	34.044	5.64	24.60	334	334	0.0334
20	17.50	34.038	5.55							20	17.50	34.038	5.55	24.67	327	328	0.0665
30	14.97	34.175	5.67							30	14.97	34.175	5.67	25.36	262	263	0.0961
50	14.54	34.443	5.78							50	14.54	34.443	5.78	25.66	234	235	0.1459
73	8.33	34.297	5.90							75	7.89	34.283	5.88	26.74	130	131	0.1918
92	4.16	34.167	5.78							100	3.57	34.145	5.66	27.17	090	091	0.2197
123	1.90	34.085	5.35							125	1.88	34.079	5.36	27.26	081	081	0.2413
143	1.74	34.029	5.48														

KOREA .GYUNGBUG 853 . STATION 209-06 . 35-41.3. N. 129-49.0. E. JUN.10.1983. 21:45 KST. DEPTH 250 . COLOR . TRANS. .

WAVE NW 2. SWELL NW 2. WIND NW 4. BARO 1016. . AIR TEMP. DRY 16.5. WET . CLOUD. TYPE . AMT . WEATHER 8 .

0	18.30	34.259	5.98							0	18.30	34.259	5.98	24.65	330	329	0.0000
10	18.27	34.268	5.62							10	18.27	34.268	5.62	24.66	328	328	0.0329
20	14.77	34.381	5.57							20	14.77	34.381	5.57	25.56	243	243	0.0615
30	14.67	34.332	5.73							30	14.67	34.332	5.73	25.54	244	245	0.0860
50	14.69	34.430	5.78							50	14.69	34.430	5.78	25.61	238	239	0.1344
80	14.68	34.492	5.68							75	14.68	34.481	5.69	25.66	234	235	0.1938
109	10.83	34.410	5.68							100	12.02	34.435	5.68	26.16	186	186	0.2468

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
131	4.72	34.178	5.42							125	6.38	34.241	5.49	26.92	114	115	0.2848
145	2.06	34.093	5.54							150	1.99	34.090	5.50	27.26	081	082	0.3095
177	1.64	34.077	5.32							200	1.58	34.086	5.09	27.29	079	079	0.3499
231	1.51	34.099	4.78														

KOREA .GYUNGBUG 853 . STATION 209-07 . 35-36.8. N. 130-00.3. E. JUN.10.1983. 20:20 KST. DEPTH 250 . COLOR . TRANS. .

WAVE NW 2. SWELL NW 1. WIND NW 4. BARO 1014. . AIR TEMP. DRY 17.5. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

0	18.49	34.298	5.91							0	18.49	34.298	5.91	24.63	331	331	0.0000
9	18.46	34.320	5.98							10	18.26	34.345	5.90	24.72	323	323	0.0327
15	17.29	34.471	5.52							20	16.35	34.511	5.59	25.31	267	267	0.0622
20	16.35	34.511	5.59							30	15.10	34.506	5.49	25.58	241	241	0.0877
32	14.85	34.505	5.48							50	14.26	34.533	5.38	25.78	221	222	0.1341
52	14.20	34.537	5.37							75	12.49	34.481	5.59	26.11	191	192	0.1861
85	11.75	34.457	5.69							100	8.47	34.342	5.68	26.70	134	136	0.2273
111	6.08	34.259	5.68							125	5.04	34.213	5.62	27.06	100	101	0.2570
140	3.94	34.165	5.57							150	3.02	34.139	5.60	27.21	086	086	0.2806
170	1.19	34.089	5.68							200	1.11	34.093	5.61	27.33	075	075	0.3212
219	1.06	34.096	5.58														

KOREA .GYUNGBUG 853 . STATION 209-08 . 35-30.8. N. 130-16.9. E. JUN.10.1983, 18:25 KST. DEPTH 200 , COLOR , TRANS. .

WAVE NE 1. SWELL NE 1. WIND NE 4. BARO 1012.5. AIR TEMP. DRY 18.8. WET , CLOUD. TYPE NS. AMT 10, WEATHER C .

0	18.48	34.481	5.67							0	18.48	34.481	5.67	24.77	318	318	0.0000
10	18.45	34.503	5.88							10	18.45	34.503	5.88	24.79	316	316	0.0317
20	17.78	34.515	5.98							20	17.78	34.515	5.98	24.97	299	299	0.0624
30	15.33	34.553	5.36							30	15.33	34.553	5.36	25.57	242	242	0.0896

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	14.26	34.565	5.22							50	14.26	34.565	5.22	25.81	219	220	0.1359
76	10.74	34.435	5.22							75	10.87	34.440	5.22	26.38	165	167	0.1844
100	5.72	34.188	5.50							100	5.72	34.188	5.50	26.96	110	110	0.2191
125	2.51	34.116	5.68							125	2.51	34.116	5.68	27.24	083	084	0.2435
157	1.10	34.097	5.37							150	1.40	34.101	5.43	27.31	076	076	0.2636
198	0.93	34.097	5.52														

KOREA .GYUNGBUG 853 . STATION 209-09 . 35-24.4. N. 130-33.5. E. JUN.10.1983. 16:30 KST. DEPTH 150 . COLOR 3. TRANS. 16.0.
WAVE NE 1. SWELL NE 1. WIND NE 3. BARO 1011.5. AIR TEMP. DRY 21.4. WET . CLOUD. TYPE CU. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.00	34.420	5.68							0	19.00	34.420	5.68	24.59	335	334	0.0000
10	17.69	34.503	5.55							10	17.69	34.503	5.55	24.98	298	298	0.0316
20	17.90	34.487	5.78							20	17.90	34.487	5.78	24.92	304	304	0.0618
30	16.80	34.484	5.68							30	16.80	34.484	5.68	25.18	279	279	0.0910
50	15.96	34.593	5.47							50	15.96	34.593	5.47	25.46	252	254	0.1444
75	14.33	34.566	5.47							75	14.33	34.566	5.47	25.80	220	222	0.2040
97	9.00	34.306	5.44							100	8.70	34.295	5.44	26.63	141	143	0.2497
127	6.02	34.202	5.47							125	6.21	34.208	5.46	26.92	114	115	0.2821
141	5.22	34.118	5.80														

KOREA .GYUNGBUG 853 . STATION 209-10 . 35-17.8. N. 130-50.0. E, JUN.10.1983. 14:35 KST. DEPTH 140 . COLOR 3. TRANS. 16.0.
WAVE NE 1. SWELL NE 1. WIND NE 3. BARO 1012. . AIR TEMP. DRY 22.0. WET . CLOUD. TYPE CU. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.38	34.517	5.47							0	19.38	34.517	5.47	24.57	337	337	0.0000
10	18.75	34.454	5.90							10	18.75	34.454	5.90	24.68	326	326	0.0331
20	17.58	34.503	5.52							20	17.58	34.503	5.52	25.01	295	296	0.0643
30	15.37	34.535	5.79							30	15.37	34.535	5.79	25.55	244	245	0.0913
50	14.84	34.464	5.63							50	14.84	34.464	5.63	25.61	238	239	0.1398

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
78	14.94	34.644	5.86							75	14.92	34.624	5.85	25.71	228	230	0.1986
89	14.60	34.558	5.47							100	14.00	34.521	5.70	25.83	217	219	0.2549
111	13.41	34.484	5.73							125	9.51	34.354	5.79	26.54	149	151	0.3014
126	9.24	34.345	5.78														

KOREA .GYUNGBUG 853 . STATION 209-11 . 35-11.4. N. 131-06.6. E. JUN.10.1983. 12:40 KST. DEPTH 140 . COLOR 3. TRANS. 15.0.
WAVE NW 1. SWELL NW 1. WIND NW 2. BARO 1012. . AIR TEMP. DRY 26.0. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.43	34.404	5.55							0	20.43	34.404	5.55	24.21	371	371	0.0000
10	19.84	34.658	5.78							10	19.84	34.658	5.78	24.56	338	338	0.0355
20	19.14	34.381	5.68							20	19.14	34.381	5.68	24.53	341	341	0.0695
30	18.22	34.453	5.47							30	18.22	34.453	5.47	24.81	314	314	0.1025
50	17.13	34.467	5.60							50	17.13	34.467	5.60	25.09	288	289	0.1627
67	15.56	34.615	5.68							75	15.40	34.601	5.69	25.59	240	242	0.2292
99	14.95	34.562	5.73							100	14.86	34.557	5.73	25.68	232	234	0.2888
115	13.55	34.497	5.78							125	6.11	34.262	5.88	26.97	109	110	0.3320
125	6.11	34.262	5.88														

8 月(August)

KOREA .GYUNGBUG 853 . STATION 209-04 . 35-47.3. N. 129-32.8. E. AUG. 6.1983. 08:35 KST. DEPTH 64 . COLOR 5. TRANS. 6.0.
WAVE . SWELL W 1. WIND W 3. BARO 1012. . AIR TEMP. DRY 27.6. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.37	32.797	5.77							0	22.37	32.797	5.77	22.46	538	538	0.0000
10	20.47	34.131	5.76							10	20.47	34.131	5.76	23.99	392	392	0.0465
20	17.60	34.259	5.73							20	17.60	34.259	5.73	24.82	313	314	0.0819
30	15.65	34.318	5.81							30	15.65	34.318	5.81	25.32	266	266	0.1109

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	11.18	34.314	5.65							50	11.18	34.314	5.65	26.22	180	181	0.1557
62	7.94	34.211	5.26														

KOREA .GYUNGBUG 853 . STATION 209-05 . 35-45.4. N. 129-38.4. E. AUG. 6.1983. 07:40 KST. DEPTH 150 . COLOR 6. TRANS. 7.0.

WAVE . SWELL W 1. WIND W 3. BARO 1012. . AIR TEMP. DRY 25.4. WET . CLOUD. TYPE , AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.97	33.261	5.73							0	21.97	33.261	5.73	22.92	494	494	0.0000
10	15.51	33.472	5.75							10	15.51	33.472	5.75	24.70	325	325	0.0409
20	12.08	33.821	5.81							20	12.08	33.821	5.81	25.67	232	232	0.0688
30	9.95	******	5.63							30	9.95	33.949	5.63	26.16	186	186	0.0878
50	6.99	34.205	5.48							50	6.99	34.205	5.48	26.81	124	124	0.1210
62	4.95	34.134	5.23							75	4.15	34.122	5.31	27.09	098	098	0.1489
91	3.18	34.108	5.43							100	2.11	34.074	5.34	27.24	083	083	0.1717
102	1.88	34.067	5.33														
117	1.36	34.059	5.58														

KOREA .GYUNGBUG 853 . STATION 209-06 . 35-41.3. N. 129-49.0. E. AUG. 6.1983. 06:15 KST. DEPTH 250 . COLOR . TRANS. .

WAVE W 1. SWELL W 1. WIND W 3. BARO 1011.5. AIR TEMP. DRY 24.0. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.61	33.155	5.78							0	21.61	33.155	5.78	22.94	492	492	0.0000
10	14.57	33.308	5.68							10	14.57	33.308	5.68	24.78	317	317	0.0405
20	11.75	33.535	5.62							20	11.75	33.535	5.62	25.51	247	247	0.0687
30	5.89	34.172	5.53							30	5.89	34.172	5.53	26.93	113	113	0.0868
50	3.97	34.125	5.23							50	3.97	34.125	5.23	27.11	096	096	0.1077
77	2.27	34.094	5.35							75	2.39	34.096	5.34	27.23	084	084	0.1303
[illegible]	[illegible].80	34.066	5.43							100	1.80	34.066	5.43	27.26	082	082	0.1511
127	1.29	34.073	5.35							125	1.32	34.072	5.35	27.30	078	078	0.1712
159	1.15	34.074	5.51							150	1.18	34.073	5.46	27.31	077	077	0.1907

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
197	0.88	34.068	5.23							200	0.86	34.067	5.23	27.32	076	075	0.2291
244	0.60	34.060	5.23														

KOREA .GYUNGBUG 853 . STATION 209-07 . 35-36.8. N. 130-00.3. E. AUG. 6.1983. 04:50 KST. DEPTH 250 . COLOR . TRANS. .

WAVE . SWELL . WIND SE 3. BARO 1011.5. AIR TEMP. DRY 24.5. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.76	33.340	*****							0	19.76	33.340	*****	23.58	432	431	0.0000
10	13.54	33.407	5.65							10	13.54	33.407	5.65	25.07	290	290	0.0361
20	11.46	33.647	5.73							20	11.46	33.647	5.73	25.65	234	234	0.0623
30	7.48	34.217	5.43							30	7.48	34.217	5.43	26.75	130	130	0.0805
50	2.57	34.077	5.33							50	2.57	34.077	5.33	27.20	087	087	0.1023
100	1.88	34.053	5.32							75	2.22	34.065	5.32	27.22	085	085	0.1238
117	1.73	34.056	5.44							100	1.88	34.053	5.32	27.24	083	083	0.1450
[illegible]	1.42	34.040	5.43							125	1.57	34.048	5.43	27.26	082	082	0.1657
157	1.15	34.068	5.45							150	1.24	34.058	5.44	27.29	079	079	0.1859
213	1.03	34.072	5.33							200	1.05	34.071	5.35	27.31	076	076	0.2249
247	1.00	34.035	5.33														

KOREA .GYUNGBUG 853 . STATION 209-08 . 35-30.8. N. 130-16.9. E. AUG. 6.1983. 02:55 KST. DEPTH 200 , COLOR . TRANS. .

WAVE . SWELL . WIND SE 3. BARO 1011.5. AIR TEMP. DRY 26.5. WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	25.92	32.599	5.43							0	25.92	32.599	5.43	21.27	653	652	0.0000
10	16.53	32.805	5.53							10	16.53	32.805	5.53	23.96	395	395	0.0524
20	15.74	33.710	5.43							20	15.74	33.710	5.43	24.83	312	312	0.0878
30	14.21	34.127	5.45							30	14.21	34.127	5.45	25.48	250	251	0.1160
50	13.78	34.339	5.58							50	13.78	34.339	5.58	25.74	226	227	0.1639
83	13.18	34.316	5.29							75	13.32	34.321	5.36	25.82	218	220	0.2199

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
103	10.43	34.308	5.53							100	10.84	34.309	5.49	26.28	174	176	0.2695
122	7.87	34.234	5.67							125	7.29	34.218	5.66	26.78	127	129	0.3077
148	2.92	34.103	5.66							150	2.82	34.099	5.64	27.20	087	088	0.3349
181	1.38	34.039	5.41														

KOREA .GYUNGBUG 853 . STATION 209-09 . 35-24.4. N. 130-33.5. E. AUG. 6.1983. 01:00 KST. DEPTH 150 . COLOR . TRANS. .
WAVE . SWELL . WIND SE 3. BARO 1012. . AIR TEMP. DRY 27.3. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.61	32.309	5.33							0	27.61	32.309	5.33	20.52	725	724	0.0000
10	24.87	32.665	5.33							10	24.87	32.665	5.33	21.64	617	617	0.0671
20	23.41	33.645	5.93							20	23.41	33.645	5.93	22.81	505	506	0.1233
30	21.85	33.959	5.83							30	21.85	33.959	5.83	23.49	440	441	0.1706
50	19.86	34.222	5.25							50	19.86	34.222	5.25	24.22	370	372	0.2520
79	17.39	34.347	5.23							75	17.73	34.329	5.23	24.84	311	313	0.3377
99	14.98	34.377	5.34							100	14.95	34.377	5.33	25.52	247	249	0.4082
127	14.19	34.395	5.27							125	14.24	34.393	5.27	25.68	231	234	0.4687
147	3.84	34.222	5.43														

KOREA .GYUNGBUG 853 . STATION 209-10 . 35-17.8. N. 130-50.0. E. AUG. 5.1983. 23:05 KST. DEPTH 140 . COLOR . TRANS. .
WAVE . SWELL . WIND SW 1. BARO 1012. . AIR TEMP. DRY 28.2. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	28.05	34.427	5.23							0	28.05	34.427	5.23	21.96	586	586	0.0000
10	23.70	32.889	5.33							10	23.70	32.889	5.33	22.15	568	568	0.0577
20	23.66	33.520	5.33							20	23.66	33.520	5.33	22.64	521	522	0.1122
30	22.24	33.977	5.65							30	22.24	33.977	5.65	23.39	449	450	0.1608
50	20.01	34.249	5.58							50	20.01	34.249	5.58	24.20	372	373	0.2433
72	17.37	34.263	5.65							75	17.16	34.273	5.63	24.93	303	304	0.3281

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
93	15.94	34.333	5.53							100	15.62	34.359	5.50	25.35	262	265	0.3994
118	14.81	34.428	5.45							125	7.76	34.249	5.40	26.74	131	133	0.4492
128	4.74	34.173	5.38														

KOREA .GYUNGBUG 853 . STATION 209-11 . 35-11.4. N. 131-06.6. E. AUG. 5.1983. 21:10 KST. DEPTH 140 . COLOR . TRANS. .

WAVE . SWELL . WIND SW 1. BARO 1012. . AIR TEMP. DRY 28.6. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.18	32.266	5.23							0	27.18	32.266	5.23	20.62	714	714	0.0000
10	25.57	32.276	5.35							10	25.57	32.276	5.35	21.13	666	666	0.0690
20	25.49	33.054	5.73							20	25.49	33.054	5.73	21.74	607	607	0.1327
30	23.46	33.588	5.63							30	23.46	33.588	5.63	22.75	511	511	0.1887
50	20.18	33.726	5.43							50	20.18	33.726	5.43	23.76	414	415	0.2815
78	16.34	34.124	5.18							75	16.75	34.081	5.20	24.88	307	309	0.3722
101	15.43	34.449	*****							100	15.46	34.434	5.40	25.45	254	256	0.4429
127	11.81	34.383	5.41							125	12.08	34.388	5.41	26.11	190	193	0.4992
138	3.69	34.273	5.15														

10月(October)

KOREA .GYUNGBUG 853 . STATION 209-04 . 35-47.3. N. 129-32.8. E. OCT.22.1983. 12:00 KST. DEPTH 64 . COLOR 4. TRANS. 12.0.

WAVE NW 1. SWELL NW 1. WIND NW 3. BARO 1018. . AIR TEMP. DRY 23.0. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.82	32.069	5.84							0	20.82	32.069	5.84	22.33	551	550	0.0000
10	20.83	32.309	5.92							10	20.83	32.309	5.92	22.51	533	533	0.0542
20	17.05	33.140	5.40							20	17.05	33.140	5.40	24.09	382	383	0.1000
30	14.35	33.810	5.24							30	14.35	33.810	5.24	25.21	276	277	0.1331
50	13.72	34.331	5.23							50	13.72	34.331	5.23	25.74	225	226	0.1834
62	11.61	******	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 209-05 . 35-45.4. N. 129-38.4. E. OCT.22.1983. 11:05 KST. DEPTH 150 , COLOR 4, TRANS. 13.0,																	
WAVE NW 4. SWELL NW 1. WIND NW 3. BARO 1018. . AIR TEMP. DRY 22.5. WET . CLOUD. TYPE . AMT , WEATHER B ,																	
0	21.15	32.190	6.02							0	21.15	32.190	6.02	22.34	550	550	0.0000
10	21.15	32.434	6.04							10	21.15	32.434	6.04	22.52	533	533	0.0541
20	21.15	33.225	5.60							20	21.15	33.225	5.60	23.12	475	476	0.1046
30	14.60	33.570	5.52							30	14.60	33.570	5.52	24.97	299	299	0.1434
50	13.45	34.467	5.32							50	13.45	34.467	5.32	25.90	210	211	0.1945
89	8.33	34.256	5.32							75	10.16	34.331	5.32	26.42	161	163	0.2413
92	4.42	34.132	5.27							100	2.33	34.103	5.65	27.24	083	083	0.2722
97	2.48	34.108	5.62														
117	1.52	34.081	5.87														
KOREA .GYUNGBUG 853 . STATION 209-06 . 35-41.3. N. 129-49.0. E. OCT.22.1983. 09:40 KST. DEPTH 250 , COLOR 3, TRANS. 14.0,																	
WAVE NW 4. SWELL NW 2. WIND NW 3. BARO 1018. . AIR TEMP. DRY 20.0. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.																	
0	22.39	32.721	6.00							0	22.39	32.721	6.00	22.40	544	544	0.0000
10	22.59	32.990	5.72							10	22.59	32.990	5.72	22.55	530	530	0.0537
20	22.57	33.080	5.50							20	22.57	33.080	5.50	22.62	523	523	0.1064
30	22.19	33.153	5.52							30	22.19	33.153	5.52	22.78	508	508	0.1581
75	8.72	34.199	5.47							50	16.20	33.617	5.49	24.65	329	330	0.2420
103	3.86	34.099	5.42							75	8.72	34.199	5.47	26.55	149	150	0.3021
125	1.81	34.069	5.45							100	4.38	34.109	5.42	27.06	101	101	0.3336
153	0.95	34.068	5.55							125	1.81	34.069	5.45	27.26	082	082	0.3566
167	0.58	34.066	6.02							150	1.04	34.068	5.53	27.31	077	076	0.3765
173	0.46	34.072	6.04														
196	0.42	34.080	6.17														

KOREA .GYUNGBUG 853 . STATION 209-07 . 35-36.8. N. 130-00.3. E. OCT.22.1983. 08:15 KST. DEPTH 250 . COLOR 3. TRANS. 14.0.

WAVE NW 4. SWELL NW 2. WIND NW 5. BARO 1018. . AIR TEMP. DRY 18.5. WET . CLOUD. TYPE CI. AMT 04. WEATHER BC.

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.88	32.785	6.07							0	21.88	32.985	6.07	22.74	512	511	0.0000
10	21.88	32.916	5.97							10	21.88	32.916	5.97	22.69	517	517	0.0514
20	21.88	32.915	5.62							20	21.88	32.915	5.62	22.69	517	517	0.1031
30	21.94	32.957	5.42							30	21.94	32.957	5.42	22.70	515	516	0.1548
85	6.62	34.146	5.42							50	16.36	33.389	5.42	24.44	349	350	0.2415
114	3.87	34.102	5.44							75	9.40	33.929	5.42	26.23	179	180	0.3080
151	1.83	34.109	5.58							100	5.19	34.123	5.43	26.97	108	109	0.3443
172	1.33	34.076	5.83							125	3.26	34.104	5.48	27.16	091	091	0.3694
175	1.03	34.069	5.92							150	1.88	34.108	5.57	27.28	079	079	0.3909
178	0.91	34.077	6.07														
197	0.73	34.089	6.12														

KOREA .GYUNGBUG 853 . STATION 209-08 . 35-30.8. N. 130-16.9. E. OCT.22.1983. 06:20 KST. DEPTH 200 . COLOR , TRANS. .

WAVE NW 3. SWELL NW 2. WIND NW 5. BARO 1018. . AIR TEMP. DRY 18.3. WET . CLOUD. TYPE . AMT . WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.62	32.781	5.72							0	21.62	32.781	5.72	22.66	520	519	0.0000
10	21.60	32.712	5.82							10	21.60	32.712	5.82	22.61	524	524	0.0522
20	21.60	32.707	5.82							20	21.60	32.707	5.82	22.61	524	525	0.1047
30	21.62	32.733	5.52							30	21.62	32.733	5.52	22.62	523	524	0.1571
50	17.54	33.539	5.40							50	17.54	33.539	5.40	24.28	364	366	0.2462
86	14.44	33.931	5.52							75	15.38	33.811	5.48	24.99	297	299	0.3294
96	12.03	******	*****							100	11.36	34.058	5.75	25.99	202	204	0.3923
115	8.88	34.196	6.02							125	5.06	34.126	6.02	26.99	107	108	0.4314
127	4.30	34.113	6.02							150	3.20	34.106	5.98	27.17	090	091	0.4563
182	1.69	34.097	5.93														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 209-09 , 35-24.4. N. 130-33.5. E, OCT.22.1983, 04:25 KST, DEPTH 150 , COLOR . TRANS. ,

WAVE NW 3. SWELL NW 1, WIND NW 5. BARO 1017. , AIR TEMP. DRY 19.0, WET , CLOUD. TYPE , AMT , WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.77	32.915	5.62							0	21.77	32.915	5.62	22.72	514	514	0.0000
10	21.82	32.859	5.63							10	21.82	32.859	5.63	22.66	519	519	0.0516
20	21.82	32.853	5.92							20	21.82	32.853	5.92	22.66	520	520	0.1036
30	21.82	32.846	5.82							30	21.82	32.846	5.82	22.65	520	521	0.1557
50	19.92	33.261	5.47							50	19.92	33.261	5.47	23.47	441	443	0.2522
75	15.22	34.234	5.42							75	15.22	34.234	5.42	25.35	263	265	0.3407
88	14.84	34.334	5.52							100	11.06	34.284	5.77	26.22	180	182	0.3766
104	9.80	34.268	5.86														
122	4.61	34.128	5.82														

KOREA .GYUNGBUG 853 . STATION 209-10 . 35-17.8. N. 130-50.0. E. OCT.22.1983. 02:30 KST. DEPTH 140 , COLOR . TRANS. .

WAVE NW 2. SWELL NW 1. WIND NW 3. BARO 1017. , AIR TEMP. DRY 19.8. WET . CLOUD. TYPE . AMT . WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.67	32.740	5.47							0	21.67	32.740	5.47	22.61	524	524	0.0000
10	21.67	32.717	5.44							10	21.67	32.717	5.44	22.59	526	526	0.0525
20	21.65	32.699	5.77							20	21.65	32.699	5.77	22.59	526	527	0.1051
30	21.70	32.702	5.50							30	21.70	32.702	5.50	22.57	527	528	0.1579
50	18.10	33.353	5.42							50	18.10	33.353	5.42	24.00	391	392	0.2500
75	15.08	34.063	5.37							75	15.08	34.063	5.37	25.25	272	274	0.3334
77	14.22	34.362	5.42							100	11.10	34.288	5.58	26.22	180	182	0.3906
112	9.48	34.250	5.67							125	7.28	34.205	5.70	26.77	128	129	0.4297
138	5.08	34.161	5.73														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 209-11 , 35-11.4. N. 131-06.6. E, OCT.22.1983. 00:55 KST, DEPTH 140 , COLOR , TRANS. .

WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1017.5, AIR TEMP. DRY 19.6, WET , CLOUD. TYPE , AMT , WEATHER BC.

0	22.07	33.198	5.37							0	22.07	33.198	5.37	22.85	501	501	0.0000
10	22.00	33.148	5.33							10	22.00	33.148	5.33	22.83	503	503	0.0502
20	22.00	33.156	5.82							20	22.00	33.156	5.82	22.84	502	503	0.1005
30	22.05	33.291	5.31							30	22.05	33.291	5.31	22.92	494	495	0.1505
50	19.36	33.682	5.15							50	19.36	33.682	5.15	23.94	397	398	0.2399
83	15.62	33.753	5.02							75	16.52	33.735	5.05	24.67	327	329	0.3309
103	14.95	34.223	5.02							100	15.05	34.152	5.02	25.32	265	268	0.4057
119	13.42	34.360	5.22							125	9.59	34.265	5.27	26.46	157	159	0.4592
130	6.40	34.186	5.32														

12月(December)

KOREA .GYUNGBUG 853 . STATION 209-04 , 35-47.3. N. 129-32.8. E, DEC. 5.1983. 12:00 KST. DEPTH 64 . COLOR 4, TRANS. 12.0.

WAVE NW 3. SWELL NW 1. WIND NW 4. BARO 1020. . AIR TEMP. DRY 12.2. WET , CLOUD. TYPE . AMT . WEATHER B .

0	14.96	34.052	5.73							0	14.96	34.052	5.73	25.26	271	271	0.0000
10	14.40	33.978	6.08							10	14.40	33.978	6.08	25.33	265	265	0.0268
20	14.08	33.943	6.43							20	14.08	33.943	6.43	25.37	261	261	0.0531
30	13.89	33.916	6.45							30	13.89	33.916	6.45	25.39	259	260	0.0792
50	13.84	33.902	6.53							50	13.84	33.902	6.53	25.39	259	260	0.1313
62	12.65	34.208	6.35														

KOREA .GYUNGBUG 853 . STATION 209-05 . 35-45.4. N. 129-38.4. E, DEC. 5.1983. 12:50 KST. DEPTH 150 , COLOR 3, TRANS. 13.0.

WAVE NW 4. SWELL NW 1. WIND NW 5. BARO 1018.5. AIR TEMP. DRY 12.6. WET , CLOUD. TYPE , AMT , WEATHER B .

0	16.47	32.204	5.87							0	16.47	32.204	5.87	23.51	438	438	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.57	34.195	6.21							10	16.57	34.195	6.21	25.01	295	295	0.0366
20	16.52	34.202	6.13							20	16.52	34.202	6.13	25.03	293	294	0.0661
30	16.21	34.223	6.18							30	16.21	34.223	6.18	25.12	285	285	0.0951
50	14.76	34.248	6.01							50	14.76	34.248	6.01	25.46	252	253	0.1491
72	15.42	34.349	5.63							75	15.04	34.351	5.63	25.48	251	252	0.2124
103	11.54	34.376	5.67							100	11.91	34.373	5.66	26.13	188	190	0.2679
115	3.71	34.124	5.62							125	2.76	34.097	5.74	27.20	087	087	0.3027
134	1.91	34.074	5.85														

KOREA .GYUNGBUG 853 . STATION 209-06 . 35-41.3. N. 129-49.0. E. DEC. 5.1983. 14:15 KST. DEPTH 250 . COLOR 3. TRANS. 14.0.
WAVE NW 4, SWELL NW 1. WIND NW 5, BARO 1018. . AIR TEMP. DRY 13.5, WET . CLOUD. TYPE . AMT , WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.71	34.108	6.03							0	16.71	34.108	6.03	24.91	304	304	0.0000
10	16.70	34.134	6.08							10	16.70	34.134	6.08	24.94	302	302	0.0303
20	16.73	34.146	6.13							20	16.73	34.146	6.13	24.94	302	302	0.0606
30	16.77	34.146	5.96							30	16.77	34.146	5.96	24.93	303	303	0.0909
50	16.73	34.141	5.90							50	16.73	34.141	5.90	24.93	302	303	0.1517
75	16.61	34.144	6.03							75	16.61	34.144	6.03	24.96	299	301	0.2274
97	15.76	34.085	6.15							100	15.56	34.160	6.07	25.21	276	278	0.3000
109	14.99	34.385	5.83							125	10.48	34.298	6.04	26.34	169	171	0.3563
131	8.79	34.266	6.13							150	5.70	34.180	6.08	26.96	110	111	0.3918
173	1.96	34.077	6.02							200	1.59	34.073	6.02	27.28	080	080	0.4399
229	1.21	34.069	6.04														

KOREA ,GYUNGBUG 853 . STATION 209-07 . 35-36.8. N. 130-00.3. E. DEC. 5.1983. 15:40 KST, DEPTH 250 . COLOR 3, TRANS. 14.0,
WAVE NW 4, SWELL NW 1, WIND NW 4, BARO 1018. . AIR TEMP. DRY 13.5, WET . CLOUD. TYPE , AMT , WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.90	34.054	6.20							0	16.90	34.054	6.20	24.83	312	312	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.87	34.032	6.28							10	16.87	34.032	6.28	24.82	313	313	0.0313
20	16.90	34.017	6.14							20	16.90	34.017	6.14	24.80	315	315	0.0628
30	16.59	34.005	6.11							30	16.59	34.005	6.11	24.86	309	310	0.0941
50	16.71	34.102	6.23							50	16.71	34.102	6.23	24.91	305	306	0.1557
76	16.80	34.173	6.15							75	16.79	34.170	6.15	24.94	302	304	0.2320
95	16.29	34.195	5.83							100	16.21	34.253	5.80	25.14	283	285	0.3058
114	16.00	34.416	5.74							125	14.46	34.410	5.71	25.65	235	238	0.3713
148	11.27	34.399	5.65							150	10.90	34.387	5.64	26.33	170	173	0.4227
200	1.90	34.100	5.62							200	1.90	34.100	5.62	27.28	080	080	0.4862
231	0.88	34.089	5.83														

KOREA .GYUNGBUG 853 . STATION 209-08 . 35-30.8. N. 130-16.9. E. DEC. 5.1983. 17:35 KST. DEPTH 200 . COLOR . TRANS. .
WAVE NW 4. SWELL NW 1. WIND NW 5. BARO 1016.5. AIR TEMP. DRY 12.5. WET . CLOUD. TYPE . AMT . WEATHER B .

0	16.91	33.933	6.03							0	16.91	33.933	6.03	24.73	322	321	0.0000
10	16.99	33.917	5.94							10	16.99	33.917	5.94	24.70	324	324	0.0323
20	17.00	33.930	5.83							20	17.00	33.930	5.83	24.71	324	324	0.0648
30	17.00	33.953	6.23							30	17.00	33.953	6.23	24.73	322	323	0.0971
50	16.99	33.915	6.03							50	16.99	33.915	6.03	24.70	325	326	0.1621
70	16.99	33.928	5.96							75	17.00	33.926	5.89	24.71	324	326	0.2437
83	17.02	33.924	5.78							100	17.38	34.141	5.88	24.78	317	320	0.3245
100	17.38	34.141	5.88							125	14.04	34.438	5.41	25.76	224	227	0.3929
122	15.21	34.465	5.43														
144	6.67	34.267	5.33														

KOREA .GYUNGBUG 853 . STATION 209-09 . 35-24.4. N. 130-33.5. E. DEC. 5.1983. 19:30 KST. DEPTH 150 . COLOR . TRANS. .
WAVE NW 4. SWELL NW 1. WIND NW 4. BARO 1020. . AIR TEMP. DRY 11.5. WET . CLOUD. TYPE . AMT . WEATHER B .

0	17.28	34.016	6.03							0	17.28	34.016	6.03	24.71	324	324	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	17.37	34.006	6.23							10	17.37	34.006	6.23	24.68	327	327	0.0325
25	17.42	34.018	6.28							20	17.40	34.014	6.26	24.68	327	327	0.0652
40	17.42	34.013	6.14							30	17.42	34.016	6.23	24.67	327	328	0.0980
67	17.44	34.102	6.11							50	17.42	34.045	6.12	24.70	325	326	0.1635
86	16.67	34.040	6.23							75	17.11	34.075	6.16	24.79	316	318	0.2441
90	16.65	34.048	5.63							100	16.78	34.152	5.67	24.93	303	305	0.3221
114	16.98	34.299	5.73							125	15.40	34.389	5.30	25.43	255	259	0.3927
127	15.12	34.406	5.23														

KOREA .GYUNGBUG 853 . STATION 209-10 , 35-17.8. N, 130-50.0. E. DEC. 5.1983, 21:25 KST, DEPTH 140 , COLOR . TRANS. .

WAVE NW 4, SWELL NW 1, WIND NW 5, BARO 1020. . AIR TEMP. DRY 11.1. WET , CLOUD. TYPE , AMT , WEATHER ,

0	17.30	34.000	6.21							0	17.30	34.000	6.21	24.69	325	325	0.0000
10	17.36	33.976	6.48							10	17.36	33.976	6.48	24.66	329	329	0.0327
20	17.36	33.982	6.43							20	17.36	33.982	6.43	24.66	328	328	0.0656
30	17.36	33.986	6.45							30	17.36	33.986	6.45	24.67	328	328	0.0985
50	17.36	34.006	6.13							50	17.36	34.006	6.13	24.68	326	328	0.1642
88	17.41	34.131	*****							75	17.39	34.088	5.99	24.74	321	323	0.2456
98	17.23	34.361	5.83							100	17.11	34.372	5.80	25.02	294	297	0.3232
126	15.58	34.516	5.53							125	15.63	34.510	5.54	25.47	252	255	0.3923
138	9.55	34.291	5.43														

KOREA .GYUNGBUG 853 . STATION 209-11 . 35-11.4. N. 131-06.6. E, DEC. 5.1983. 23:20 KST. DEPTH 140 . COLOR . TRANS. .

WAVE NW 4. SWELL NW 1. WIND NW 6, BARO 1021. . AIR TEMP. DRY 11.4. WET . CLOUD. TYPE . AMT . WEATHER R .

0	17.59	34.111	6.43							0	17.59	34.111	6.43	24.71	324	324	0.0000
10	17.63	34.099	5.74							10	17.63	34.099	5.74	24.69	326	326	0.0325
20	17.66	34.099	6.18							20	17.66	34.099	6.18	24.68	326	327	0.0651

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	17.68	34.095	6.25							30	17.68	34.095	6.25	24.67	327	328	0.0979
50	17.72	34.106	6.11							50	17.72	34.106	6.11	24.67	327	329	0.1637
80	17.72	34.118	6.18							75	17.72	34.116	6.16	24.68	327	329	0.2459
99	17.59	34.206	5.85							100	17.52	34.212	5.84	24.80	315	318	0.3268
135	15.10	34.436	5.63							125	15.79	34.372	5.69	25.33	265	268	0.4002
138	11.04	34.383	5.13														

208線 海洋観測 成績

Oceanographic Data. Line 208

2月(February)

KOREA .GYUNGBUG 853 . STATION 208-01 . 35-28.5. N. 129-27.3. E. FEB. 5.1983. 08:00 KST. DEPTH 70 . COLOR , TRANS. .

WAVE . SWELL W 1. WIND W 4. BARO 1021. . AIR TEMP. DRY 3.8. WET . CLOUD. TYPE . AMT . WEATHER .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.16	34.435	7.07							0	13.16	34.435	7.07	25.94	207	207	0.0000
10	13.13	34.423	6.76							10	13.13	34.423	6.76	25.93	207	207	0.0207
20	13.12	34.417	6.66							20	13.12	34.417	6.66	25.93	207	208	0.0415
30	13.18	34.423	6.81							30	13.18	34.423	6.81	25.92	208	209	0.0623
50	13.16	34.410	6.76							50	13.16	34.410	6.76	25.92	209	210	0.1043
65	13.17	34.435	6.47														

KOREA .GYUNGBUG 853 . STATION 208-02 . 35-24.3. N. 129-33.8. E. FEB. 5.1983. 09:05 KST. DEPTH 130 , COLOR 4, TRANS. 13.0,

WAVE SW 1, SWELL SW 1. WIND W 2. BARO 1021. , AIR TEMP. DRY 7.5, WET , CLOUD. TYPE CI, AMT 01. WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.47	34.461	6.92							0	13.47	34.461	6.92	25.89	211	211	0.0000
10	13.52	34.456	6.77							10	13.52	34.456	6.77	25.88	212	212	0.0211
20	13.51	34.458	6.62							20	13.51	34.458	6.62	25.88	212	212	0.0424
30	13.46	34.463	6.52							30	13.46	34.463	6.52	25.90	211	211	0.0636
50	12.97	34.401	6.36							50	12.97	34.401	6.36	25.95	206	207	0.1055
84	12.38	34.371	6.45							75	12.53	34.378	6.42	26.02	199	201	0.1566
98	11.82	34.342	6.57							100	11.81	34.344	6.58	26.13	189	191	0.2056
118	11.80	34.364	6.72														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

OREA .GYUNGBUG 853 . STATION 208-03 . 35-17.8. N. 129-42.9. E. FEB. 5.1983. 10:30 KST. DEPTH 150 . COLOR 4. TRANS. 15.0.

WAVE SW 1. SWELL SW 1. WIND W 1. BARO 1021. , AIR TEMP. DRY 9.5. WET , CLOUD. TYPE CI. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.19	34.523	6.89							0	14.19	34.523	6.89	25.79	221	220	0.0000
10	14.22	34.515	6.83							10	14.22	34.515	6.83	25.78	222	222	0.0221
20	14.18	34.530	6.31							20	14.18	34.530	6.31	25.80	220	220	0.0443
30	14.18	34.489	6.31							30	14.18	34.489	6.31	25.77	223	223	0.0665
50	14.11	34.485	6.71							50	14.11	34.485	6.71	25.78	222	223	0.1112
78	13.75	34.457	6.69							75	13.78	34.460	6.69	25.83	217	219	0.1666
109	13.55	34.443	6.71							100	13.60	34.447	6.70	25.86	215	217	0.2212
116	13.36	34.426	6.71							125	13.06	34.406	6.58	25.94	207	210	0.2747
133	12.80	34.390	6.47														

KOREA .GYUNGBUG 853 . STATION 208-04 . 35-11.1. N. 129-52.7. E. FEB. 5.1983. 11:55 KST. DEPTH 143 , COLOR 3. TRANS. 18.0.

WAVE SW 1. SWELL SW 1, WIND W 2, BARO 1021. . AIR TEMP. DRY 8.5. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.92	34.463	6.41							0	13.92	34.463	6.41	25.80	220	219	0.0000
10	13.87	34.503	6.81							10	13.87	34.503	6.81	25.84	216	216	0.0218
20	13.88	34.426	6.61							20	13.88	34.426	6.61	25.78	222	222	0.0437
30	13.83	34.467	6.53							30	13.83	34.467	6.53	25.82	218	218	0.0657
50	13.47	34.478	6.72							50	13.47	34.478	6.72	25.91	210	211	0.1087
72	13.14	34.392	6.72							75	13.09	34.383	6.71	25.91	209	211	0.1615
105	12.62	34.300	6.67							100	12.69	34.313	6.67	25.94	207	209	0.2142
122	11.88	34.269	6.57							125	11.52	34.261	6.54	26.12	190	192	0.2645
137	10.10	34.233	6.46														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 208-05 . 35-04.8. N. 130-02.0. E. FEB. 5.1983. 13:20 KST. DEPTH 140 . COLOR 3. TRANS. 18.0.
WAVE . SWELL SE 1. WIND SE 3. BARO 1020. . AIR TEMP. DRY 9.0. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

0	13.90	34.431	*****							0	13.90	34.431	*****	25.78	222	221	0.0000
10	13.96	34.439	6.92							10	13.96	34.439	6.92	25.78	222	222	0.0222
20	13.93	34.445	6.87							20	13.93	34.445	6.87	25.79	221	221	0.0444
30	13.89	34.444	6.97							30	13.89	34.444	6.97	25.79	220	221	0.0666
50	13.88	34.448	*****							50	13.88	34.448	6.89	25.80	220	221	0.1109
75	13.90	34.436	*****							75	13.90	34.436	6.80	25.79	221	223	0.1665
101	13.48	34.389	6.72							100	13.49	34.390	6.72	25.83	217	219	0.2218
125	12.49	34.292	6.56							125	12.49	34.292	6.56	25.96	205	208	0.2752
136	10.09	34.292	6.36														

KOREA .GYUNGBUG 853 . STATION 208-06 . 34-58.2. N. 130-11.9. E. FEB. 5.1983. 14:45 KST. DEPTH 135 . COLOR 3. TRANS. 18.0.
WAVE SW 1. SWELL SW 1. WIND SW 3. BARO 1019. . AIR TEMP. DRY 9.7. WET . CLOUD. TYPE . AMT . WEATHER B .

0	13.97	34.464	6.49							0	13.97	34.464	6.49	25.79	221	220	0.0000
10	13.98	34.463	6.39							10	13.98	34.463	6.39	25.79	221	221	0.0221
20	13.96	34.465	6.44							20	13.96	34.465	6.44	25.80	220	221	0.0442
30	13.68	34.428	6.71							30	13.68	34.428	6.71	25.83	217	218	0.0661
60	13.65	34.450	6.86							50	13.66	34.442	6.81	25.84	216	217	0.1097
89	13.58	34.415	6.86							75	13.61	34.431	6.86	25.84	216	218	0.1642
94	13.26	34.374	6.81							100	12.81	34.343	6.77	25.94	207	209	0.2176
129	10.66	34.197	6.58							125	10.95	34.217	6.60	26.19	183	185	0.2671

KOREA .GYUNGBUG 853 . STATION 208-07 . 34-52.6. N. 130-20.9. E. FEB. 5.1983. 16:05 KST. DEPTH 130 . COLOR 3. TRANS. 18.0.
WAVE SW 1. SWELL SW 1. WIND SW 4. BARO 1019. . AIR TEMP. DRY 9.9. WET . CLOUD. TYPE CU. AMT 04. WEATHER BC.

0	14.23	34.464	6.31							0	14.23	34.464	6.31	25.74	226	225	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.26	34.476	6.46							10	14.26	34.476	6.46	25.74	225	225	0.0225
20	14.33	34.486	6.36							20	14.33	34.486	6.36	25.73	226	226	0.0452
30	14.26	34.474	6.41							30	14.26	34.474	6.41	25.74	226	226	0.0679
50	14.28	34.488	6.43							50	14.28	34.488	6.43	25.75	225	226	0.1132
[illegible]	14.23	34.476	6.41							75	14.24	34.480	6.41	25.75	225	227	0.1699
105	14.21	34.471	6.46							100	14.21	34.472	6.44	25.75	225	227	0.2268
125	9.76	34.194	6.66														

KOREA .GYUNGBUG 853 . STATION 208-08 . 34-45.3. N. 130-30.6. E. FEB. 5.1983. 17:25 KST. DEPTH 130 . COLOR 3. TRANS. 18.0.
WAVE SW 1. SWELL SW 1. WIND SW 4. BARO 1018.5. AIR TEMP. DRY 10.0. WET . CLOUD. TYPE CU. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.53	34.499	6.08							0	14.53	34.499	6.08	25.70	229	229	0.0000
10	14.64	34.538	6.30							10	14.64	34.538	6.30	25.71	229	229	0.0229
20	14.64	34.510	6.22							20	14.64	34.510	6.22	25.69	231	231	0.0459
30	14.59	34.499	6.24							30	14.59	34.499	6.24	25.69	230	231	0.0691
50	14.57	34.499	6.43							50	14.57	34.499	6.43	25.69	230	231	0.1154
88	14.21	34.455	6.42							75	14.33	34.470	6.42	25.72	227	229	0.1730
92	14.11	34.470	6.46							100	13.58	34.480	*****	25.89	212	214	0.2286
122	12.15	34.508	*****														

KOREA .GYUNGBUG 853 . STATION 208-09 . 34-38.9. N. 130-40.5. E. FEB. 5.1983. 18:45 KST, DEPTH 130 . COLOR . TRANS. .
WAVE . SWELL SW 2. WIND SW 4. BARO 1018.5. AIR TEMP. DRY 10.0. WET . CLOUD. TYPE CU. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.68	34.508	*****							0	14.68	34.508	*****	25.68	232	231	0.0000
10	14.63	34.511	6.30							10	14.63	34.511	6.30	25.69	230	230	0.0231
20	14.76	34.511	6.71							20	14.76	34.511	6.71	25.66	233	233	0.0463
30	14.69	34.527	6.97							30	14.69	34.527	6.97	25.69	230	231	0.0696
50	14.72	34.526	6.73							50	14.72	34.526	6.73	25.68	231	232	0.1160

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
84	14.66	34.518	6.76							75	14.67	34.520	6.75	25.69	231	232	0.1742
97	14.53	34.550	*****							100	14.52	34.547	6.39	25.74	226	228	0.2319
121	14.50	34.528	5.92														

4月(April)

KOREA .GYUNGBUG 853 . STATION 208-01 . 35-28.5. N. 129-27.3. E. APR.13.1983. 00:50 KST. DEPTH 70 . COLOR . TRANS.

WAVE . SWELL NE 1. WIND NE 2. BARO 1019.5. AIR TEMP. DRY 12.4. WET . CLOUD. TYPE . AMT . WEATHER C .

0	13.30	34.359	5.70							0	13.30	34.359	5.70	25.85	215	215	0.0000
10	13.29	34.386	6.12							10	13.29	34.386	6.12	25.87	213	213	0.0214
20	13.29	34.370	6.11							20	13.29	34.370	6.11	25.86	214	214	0.0428
30	13.26	34.365	6.12							30	13.26	34.365	6.12	25.86	214	214	0.0643
50	12.88	34.332	5.81							50	12.88	34.332	5.81	25.91	209	210	0.1068
65	12.14	34.352	6.15														

KOREA .GYUNGBUG 853 . STATION 208-02 . 35-24.3. N. 129-33.8. E. APR.13.1983. 01:55 KST. DEPTH 130 . COLOR , TRANS.

WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1018.5. AIR TEMP. DRY 12.0. WET . CLOUD. TYPE . AMT , WEATHER C .

0	14.35	34.591	6.15							0	14.35	34.591	6.15	25.81	219	219	0.0000
10	14.36	34.601	5.82							10	14.36	34.601	5.82	25.82	218	218	0.0218
20	14.28	34.593	6.23							20	14.28	34.593	6.23	25.83	217	218	0.0437
30	14.16	34.605	5.85							30	14.16	34.605	5.85	25.86	214	215	0.0653
50	13.59	34.539	6.25							50	13.59	34.539	6.25	25.93	208	209	0.1078
86	13.42	34.528	5.95							75	13.47	34.531	6.04	25.95	206	207	0.1399
101	12.87	34.488	6.20							100	12.90	34.490	6.18	26.03	198	200	0.2110
124	11.67	34.401	5.60														

KOREA .GYUNGBUG 853 , STATION 208-03 , 35-17.8. N, 129-42.9. E, APR.13.1983. 03:20 KST, DEPTH 150 , COLOR , TRANS. ,
WAVE NE 1. SWELL NE 1, WIND NE 2, BARO 1018. , AIR TEMP. DRY 11.9, WET , CLOUD. TYPE , AMT , WEATHER C .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.26	34.572	6.80							0	14.26	34.572	6.80	25.82	218	218	0.0000
10	14.28	34.551	5.90							10	14.28	34.551	5.90	25.79	220	220	0.0219
20	14.30	34.592	5.50							20	14.30	34.592	5.50	25.82	218	218	0.0439
30	14.14	34.575	6.60							30	14.14	34.575	6.60	25.84	216	216	0.0657
50	13.93	34.573	6.55							50	13.93	34.573	6.55	25.89	212	213	0.1087
78	13.82	34.548	5.80							75	13.83	34.550	5.88	25.89	211	213	0.1620
101	13.58	34.553	5.80							100	13.59	34.552	5.80	25.94	207	209	0.2149
125	13.15	34.530	6.15							125	13.15	34.530	6.15	26.01	200	203	0.2665
143	7.58	34.264	6.00														

KOREA .GYUNGBUG 853 , STATION 208-04 , 35-11.1. N, 129-52.7. E, APR.13.1983. 04:45 KST, DEPTH 143 , COLOR , TRANS. ,
WAVE NE 1. SWELL NE 1, WIND NE 2. BARO 1018. . AIR TEMP. DRY 11.7, WET . CLOUD. TYPE , AMT , WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.22	34.568	6.32							0	14.22	34.568	6.32	25.82	218	218	0.0000
10	14.25	34.585	6.52							10	14.25	34.585	6.52	25.83	217	217	0.0217
20	14.22	34.581	6.70							20	14.22	34.581	6.70	25.83	217	217	0.0435
30	13.99	34.516	6.67							30	13.99	34.516	6.67	25.83	217	218	0.0653
50	13.95	34.571	6.50							50	13.95	34.571	6.50	25.88	212	213	0.1085
74	13.77	34.602	7.00							75	13.76	34.601	7.00	25.94	207	208	0.1613
101	13.72	34.576	7.09							100	13.72	34.576	7.08	25.93	207	210	0.2137
118	12.78	34.503	7.00							125	11.69	34.445	7.05	26.23	179	182	0.2627
132	10.61	34.388	7.11														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 208-05 . 35-04.8. N, 130-02.0. E. APR.13.1983. 06:10 KST. DEPTH 140 . COLOR 3. TRANS. 14.0.																	
WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1019. . AIR TEMP. DRY 12.0, WET , CLOUD. TYPE CI. AMT 08. WEATHER C .																	
0	13.95	34.580	6.60							0	13.95	34.580	6.60	25.89	212	211	0.0000
10	13.90	34.588	6.50							10	13.90	34.588	6.50	25.90	210	210	0.0211
20	13.90	34.588	6.50							20	13.90	34.588	6.50	25.90	210	210	0.0421
30	13.80	34.569	6.62							30	13.80	34.569	6.62	25.91	209	210	0.0632
50	13.35	34.532	6.59							50	13.35	34.532	6.59	25.97	203	204	0.1047
69	12.75	34.466	6.48							75	12.08	34.456	6.48	26.16	185	187	0.1538
84	11.09	34.411	6.50							100	10.88	34.407	6.50	26.35	168	170	0.1984
105	10.82	34.406	6.50							125	9.43	34.303	6.22	26.52	152	154	0.2390
125	9.43	34.303	6.22														
KOREA .GYUNGBUG 853 . STATION 208-06 . 34-58.2. N. 130-11.9. E. APR.13.1983, 07:35 KST, DEPTH 135 , COLOR 3. TRANS. 14.0.																	
WAVE NE 2. SWELL NE 1. WIND NE 2, BARO 1019. . AIR TEMP. DRY 14.0, WET , CLOUD. TYPE CI, AMT 05. WEATHER BC.																	
0	14.35	34.528	6.30							0	14.35	34.528	6.30	25.76	223	223	0.0000
10	13.62	34.523	6.48							10	13.62	34.523	6.48	25.91	209	209	0.0216
20	13.56	34.529	6.12							20	13.56	34.529	6.12	25.93	208	208	0.0425
30	12.99	34.455	6.93							30	12.99	34.455	6.93	25.99	202	203	0.0631
50	10.87	34.341	6.98							50	10.87	34.341	6.98	26.30	172	173	0.1008
84	9.76	34.289	6.90							75	10.05	34.302	6.92	26.41	162	163	0.1429
104	8.43	34.261	6.87							100	8.69	34.266	6.87	26.61	143	145	0.1815
125	5.63	34.171	6.90							125	5.63	34.171	6.90	26.96	110	111	0.2136
KOREA .GYUNGBUG 853 . STATION 208-07 . 34-52.0. N. 130-20.9. E, APR.13.1983. 08:55 KST. DEPTH 130 , COLOR 3. TRANS. 14.0,																	
WAVE NE 2. SWELL NE 2. WIND NE 3. BARO 1019. , AIR TEMP. DRY 15.0, WET , CLOUD. TYPE CS, AMT 04, WEATHER BC,																	
0	13.64	34.530	6.90							0	13.64	34.530	6.90	25.91	209	209	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	13.62	34.537	7.00							10	13.62	34.537	7.00	25.92	208	208	0.0209
20	13.57	34.528	6.32							20	13.57	34.528	6.32	25.93	208	208	0.0417
30	13.53	34.555	6.50							30	13.53	34.555	6.50	25.95	205	206	0.0625
50	13.22	34.538	6.50							50	13.22	34.538	6.50	26.00	200	201	0.1033
79	13.03	34.528	6.30							75	13.05	34.529	6.32	26.03	198	200	0.1535
110	11.37	34.421	6.20							100	11.90	34.455	6.23	26.20	182	184	0.2016
124	9.22	34.307	6.40														

KOREA .GYUNGBUG 853 . STATION 208-08 . 34-45.3. N. 130-30.6. E. APR.13.1983. 10:15 KST. DEPTH 130 , COLOR 3. TRANS. 15.0.
WAVE NE 2. SWELL NE 2. WIND NE 4. BARO 1019. . AIR TEMP. DRY 16.0. WET . CLOUD. TYPE CS. AMT 08. WEATHER C .

0	13.85	34.541	6.90							0	13.85	34.541	6.90	25.88	213	212	0.0000
10	13.82	34.546	7.00							10	13.82	34.546	7.00	25.89	212	212	0.0212
20	13.81	34.540	6.09							20	13.81	34.540	6.09	25.89	212	212	0.0424
30	13.80	34.540	6.00							30	13.80	34.540	6.00	25.89	212	212	0.0637
50	13.73	34.550	6.30							50	13.73	34.550	6.30	25.91	210	211	0.1060
81	13.34	34.557	6.15							75	13.41	34.555	6.17	25.98	203	205	0.1581
93	13.02	34.537	6.12							100	12.87	34.527	6.19	26.07	195	197	0.2083
123	12.38	34.496	6.45														

KOREA .GYUNGBUG 853 . STATION 208-09 . 34-38.9. N. 130-40.5. E. APR.13.1983. 11:35 KST. DEPTH 130 . COLOR 3. TRANS. 13.0.
WAVE NE 2. SWELL NE 2. WIND E 5. BARO 1019. . AIR TEMP. DRY 16.5. WET . CLOUD. TYPE CS. AMT 10. WEATHER C .

0	14.44	34.618	6.57							0	14.44	34.618	6.57	25.81	219	218	0.0000
10	14.44	34.600	7.00							10	14.44	34.600	7.00	25.80	220	220	0.0219
20	14.43	34.603	6.92							20	14.43	34.603	6.92	25.80	220	220	0.0440
30	14.39	34.597	6.80							30	14.39	34.597	6.80	25.81	219	220	0.0660

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	14.39	34.610	5.72							50	14.39	34.610	5.72	25.82	218	219	0.1100
78	13.84	34.602	5.70							75	13.89	34.602	5.70	25.92	209	211	0.1639
105	13.81	34.598	6.62							100	13.81	34.598	6.44	25.93	208	210	0.2166
122	13.80	34.612	6.50														

6 月(June)

KOREA .GYUNGBUG 853 . STATION 208-01 . 35-28.5. N. 129-27.5. E. JUN. 9.1983. 21:35 KST. DEPTH 70 . COLOR . TRANS. .
WAVE . SWELL . WIND . BARO . . AIR TEMP. DRY 20.0. WET , CLOUD. TYPE . AMT . WEATHER .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.86	34.072	5.73							0	18.86	34.072	5.73	24.36	357	356	0.0000
10	16.03	34.119	5.68							10	16.03	34.119	5.68	25.08	289	289	0.0322
20	14.95	34.361	5.36							20	14.95	34.361	5.36	25.50	248	248	0.0591
30	14.47	34.425	5.41							30	14.47	34.425	5.41	25.66	233	234	0.0833
50	12.81	34.415	5.47							50	12.81	34.415	5.47	25.99	202	203	0.1271
67	11.89	34.431	5.37														

KOREA .GYUNGBUG 853 . STATION 208-02 . 35-24.3. N. 129-33.8. E. JUN. 9.1983. 22:40 KST. DEPTH 130 . COLOR . TRANS. ,
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1012.5. AIR TEMP. DRY 20.0. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.68	34.058	5.32							0	18.68	34.058	5.32	24.40	353	353	0.0000
10	18.19	34.050	5.39							10	18.19	34.050	5.39	24.51	342	342	0.0348
20	15.19	34.037	5.36							20	15.19	34.037	5.36	25.20	277	277	0.0658
30	15.08	34.316	5.58							30	15.08	34.316	5.58	25.44	254	255	0.0924
50	14.82	34.441	5.57							50	14.82	34.441	5.57	25.59	239	241	0.1420
80	14.33	34.462	5.47							75	14.41	34.458	5.48	25.70	230	232	0.2012
108	5.35	34.211	5.26							100	7.91	34.282	5.32	26.74	131	132	0.2467
128	3.23	34.157	5.27							125	3.54	34.165	5.26	27.18	088	089	0.2745

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 208-03 . 35-17.8. N. 129-42.9. E. JUN.10.1983. 00:05 KST. DEPTH 150 . COLOR . TRANS. .																	
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1011.5. AIR TEMP. DRY 18.5. WET , CLOUD. TYPE . AMT , WEATHER B ,																	
0	17.99	33.978	5.32							0	17.99	33.978	5.32	24.51	343	343	0.0000
10	17.52	34.067	5.68							10	17.52	34.067	5.68	24.69	326	326	0.0334
20	16.27	34.465	5.52							20	16.27	34.465	5.52	25.29	269	269	0.0632
30	14.78	34.352	5.39							30	14.78	34.352	5.39	25.53	245	246	0.0890
50	14.74	34.440	5.80							50	14.74	34.440	5.80	25.61	238	239	0.1375
70	14.66	34.527	5.78							75	14.24	34.509	5.73	25.77	223	225	0.1956
98	12.36	34.431	5.50							100	11.79	34.412	5.49	26.19	183	185	0.2469
123	5.35	34.205	5.47							125	5.13	34.199	5.45	27.04	102	103	0.2831
136	3.96	34.168	5.38														
KOREA .GYUNGBUG 853 . STATION 208-04 . 35-11.1. N. 129-52.7. E. JUN.10.1983. 01:30 KST. DEPTH 143 , COLOR . TRANS. .																	
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1011.5. AIR TEMP. DRY 18.5. WET . CLOUD. TYPE , AMT . WEATHER B .																	
0	19.06	34.360	5.44							0	19.06	34.360	5.44	24.53	341	340	0.0000
10	18.18	34.403	5.54							10	18.18	34.403	5.54	24.79	316	316	0.0328
20	17.92	34.493	5.78							20	17.92	34.493	5.78	24.92	304	304	0.0639
30	17.39	34.493	5.78							30	17.39	34.493	5.78	25.05	292	292	0.0938
50	15.06	34.440	5.68							50	15.06	34.440	5.68	25.54	245	246	0.1477
75	14.71	34.455	5.52							75	14.58	34.461	5.50	25.66	233	235	0.2079
86	13.91	34.494	5.39							100	9.59	34.354	5.40	26.53	151	152	0.2564
103	6.67	34.324	5.41														
119	3.98	34.150	5.38														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .GYUNGBUG 853 . STATION 208-05 . 35-04.8. N. 130-02.0. E. JUN.10.1983. 02:55 KST. DEPTH 140 . COLOR . TRANS. .

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1011. . AIR TEMP. DRY 18.5. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.32	34.300	5.69							0	19.32	34.300	5.69	24.42	351	351	0.0000
10	18.64	34.353	5.62							10	18.64	34.353	5.62	24.63	331	331	0.0341
20	17.19	34.410	5.47							20	17.19	34.410	5.47	25.03	293	293	0.0654
30	14.85	34.481	5.68							30	14.85	34.481	5.68	25.62	237	238	0.0920
50	14.91	34.524	5.78							50	14.91	34.524	5.78	25.64	235	236	0.1395
77	14.39	34.505	5.90							75	14.42	34.506	5.89	25.73	227	228	0.1977
93	13.24	34.482	5.81							100	5.84	34.209	5.75	26.96	109	110	0.2402
97	6.13	34.218	5.75							125	3.51	34.136	5.77	27.17	090	091	0.2655
126	3.42	34.134	5.78														

KOREA .GYUNGBUG 853 . STATION 208-06 . 34-58.2. N. 130-11.9. E. JUN.10.1983. 04:20 KST. DEPTH 135 . COLOR . TRANS. .

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1011. . AIR TEMP. DRY 18.5. WET . CLOUD. TYPE . AMT . WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.19	34.492	5.80							0	19.19	34.492	5.80	24.60	334	334	0.0000
10	18.49	34.441	5.83							10	18.49	34.441	5.83	24.74	321	321	0.0327
20	17.10	34.422	5.78							20	17.10	34.422	5.78	25.06	290	290	0.0634
30	15.32	34.382	5.78							30	15.32	34.382	5.78	25.44	254	255	0.0907
50	14.01	34.373	5.78							50	14.01	34.373	5.78	25.71	228	229	0.1392
82	11.36	34.390	5.83							75	11.93	34.386	5.81	26.14	188	189	0.1916
100	7.25	34.269	5.88							100	7.25	34.269	5.88	26.82	123	124	0.2308
133	3.50	34.135	5.58							125	4.40	34.167	5.65	27.10	097	098	0.2587

KOREA .GYUNGBUG 853 . STATION 208-07 . 34-52.0. N. 130-20.9. E. JUN.10.1983. 05:40 KST. DEPTH 130 . COLOR . TRANS. .

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1011. . AIR TEMP. DRY 18.4. WET . CLOUD. TYPE CI. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.09	34.348	5.57							0	19.09	34.348	5.57	24.52	342	342	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	18.76	34.350	5.70							10	18.76	34.350	5.70	24.60	334	334	0.0338
20	18.15	34.488	5.55							20	18.15	34.488	5.55	24.86	310	310	0.0660
30	17.27	34.434	5.90							30	17.27	34.434	5.90	25.03	293	294	0.0963
50	14.77	34.404	5.81							50	14.77	34.404	5.81	25.58	241	242	0.1500
73	14.87	34.518	5.42							75	14.73	34.514	5.41	25.67	232	234	0.2096
97	13.28	34.470	5.37							100	12.32	34.435	5.33	26.10	191	193	0.2632
112	8.49	34.299	5.17														

KOREA .GYUNGBUG 853 . STATION 208-08 . 34-45.3. N, 130-30.6. E. JUN.10.1983, 07:00 KST. DEPTH 130 . COLOR 2. TRANS. 20.0.
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1010.5. AIR TEMP. DRY 25.0, WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.08	34.336	5.58							0	20.08	34.336	5.58	24.25	367	367	0.0000
10	20.14	34.336	5.53							10	20.14	34.336	5.53	24.23	369	369	0.0368
20	19.91	34.339	5.57							20	19.91	34.339	5.57	24.30	363	363	0.0735
30	19.51	34.305	5.64							30	19.51	34.305	5.64	24.37	356	356	0.1095
50	17.78	34.349	5.73							50	17.78	34.349	5.73	24.84	311	312	0.1764
81	15.65	34.582	5.59							75	16.06	34.536	5.61	25.39	259	261	0.2482
104	15.59	34.595	5.48							100	15.60	34.592	5.49	25.54	245	247	0.3118
128	15.27	34.580	5.33							125	15.31	34.581	5.34	25.60	239	243	0.3732

KOREA .GYUNGBUG 853 . STATION 208-[illegible] . 34-38.9. N. 130-40.5. E. JUN.10.1983. 08:20 KST. DEPTH 130 . COLOR 2. TRANS. 25.0.
WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1010. , AIR TEMP. DRY 26.5, WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.20	34.294	5.68							0	20.20	34.294	5.68	24.19	374	373	0.0000
10	19.89	34.317	5.48							10	19.89	34.317	5.48	24.29	364	364	0.0369
20	19.59	34.310	5.32							20	19.59	34.310	5.32	24.36	357	357	0.0730
30	18.94	34.327	5.57							30	18.94	34.327	5.57	24.54	340	341	0.1080

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	17.93	34.371	5.68							50	17.93	34.371	5.68	24.82	313	314	0.1735
82	15.86	34.361	5.42							75	16.31	34.363	5.47	25.20	277	279	0.2478
100	15.47	34.523	5.59							100	15.47	34.523	5.59	25.51	247	250	0.3140
128	15.43	34.580	5.33							125	15.43	34.573	5.35	25.56	243	246	0.3760

8月(August)

KOREA .GYUNGBUG 853 . STATION 208-01 . 35-28.5. N. 129-27.3. E. AUG. 5.1983. 06:10 KST. DEPTH 70 . COLOR 3. TRANS. .
WAVE W 1. SWELL W 1. WIND W 1. BARO 1012.5. AIR TEMP. DRY 24.5. WET . CLOUD. TYPE . AMT . WEATHER B .

0	17.00	33.165	5.75							0	17.00	33.165	5.75	24.12	380	379	0.0000
10	13.77	33.806	5.73							10	13.77	33.806	5.73	25.33	265	265	0.0322
20	13.33	34.331	5.83							20	13.33	34.331	5.83	25.82	218	218	0.0564
30	11.22	34.321	5.65							30	11.22	34.321	5.65	26.22	180	180	0.0764
50	9.34	34.284	5.13							50	9.34	34.284	5.13	26.52	152	152	0.1097
68	7.21	34.211	5.08														

KOREA .GYUNGBUG 853 . STATION 208-02 . 35-24.3. N. 129-33.8. E. AUG. 5.1983. 07:15 KST. DEPTH 130 . COLOR 3. TRANS. .
WAVE . SWELL . WIND W 1. BARO 1012.5. AIR TEMP. DRY 26.0. WET . CLOUD. TYPE . AMT . WEATHER B .

0	19.35	33.046	5.63							0	19.35	33.046	5.63	23.46	443	443	0.0000
10	13.84	33.752	5.53							10	13.84	33.752	5.53	25.27	270	270	0.0336
20	11.71	33.868	5.53							20	11.71	33.868	5.53	25.78	222	222	0.0603
30	10.44	34.213	5.13							30	10.44	34.213	5.13	26.28	175	175	0.0802
50	8.11	******	5.28							50	8.11	34.216	5.28	26.66	138	139	0.1117
65	7.44	34.219	5.28							75	6.75	34.191	5.20	26.83	122	123	0.1445
84	6.14	34.166	5.13							100	4.66	34.121	5.14	27.03	103	103	0.1730
106	4.11	34.105	5.15														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 208-03 . 35-17.8. N. 129-42.9. E. AUG. 5.1983. 08:40 KST. DEPTH 150 . COLOR 4. TRANS. 17.0.																	
WAVE . SWELL . WIND SW 1. BARO 1012.5. AIR TEMP. DRY 29.2. WET . CLOUD. TYPE AC. AMT 02. WEATHER B .																	
0	26.49	32.458	5.73							0	26.49	32.458	5.73	20.98	680	679	0.0000
10	18.66	32.664	5.83							10	18.66	32.664	5.83	23.34	454	454	0.0567
20	18.21	32.606	5.43							20	18.21	32.606	5.43	23.41	448	448	0.1019
30	16.75	33.203	*****							30	16.75	33.203	5.39	24.21	371	372	0.1429
50	13.91	34.037	5.33							50	13.91	34.037	5.33	25.48	251	252	0.2053
66	13.88	34.299	5.43							75	10.69	34.259	5.36	26.27	175	177	0.2590
80	8.92	34.238	5.33							100	5.56	34.150	5.17	26.95	111	111	0.2951
106	4.56	34.124	5.13							125	2.46	34.086	5.18	27.22	085	085	0.3199
125	2.46	34.086	5.18														
KOREA .GYUNGBUG 853 . STATION 208-04 . 35-11.1. N. 129-52.7. E. AUG. 5.1983. 10:05 KST. DEPTH 143 . COLOR 4, TRANS. 16.0.																	
WAVE . SWELL . WIND SW 2. BARO 1012.5. AIR TEMP. DRY 30.8. WET . CLOUD. TYPE AC. AMT 01. WEATHER B .																	
0	26.78	31.931	5.53							0	26.78	31.931	5.53	20.50	726	726	0.0000
10	23.69	32.595	5.51							10	23.69	32.595	5.51	21.93	589	589	0.0657
20	22.95	32.605	5.43							20	22.95	32.605	5.43	22.15	568	568	0.1237
30	18.47	33.537	5.45							30	18.47	33.537	5.45	24.05	386	387	0.1714
50	14.98	34.213	5.15							50	14.98	34.213	5.15	25.38	259	261	0.2363
69	14.53	34.245	5.18							75	14.47	34.254	5.20	25.53	246	248	0.2999
100	14.24	34.293	5.33							100	14.24	34.293	5.33	25.60	238	241	0.3611
111	13.69	34.315	5.38							125	11.96	34.316	5.24	26.08	193	196	0.4159
137	10.49	34.318	5.13														
KOREA .GYUNGBUG 853 . STATION 208-05 . 35-04.8. N. 130-02.0. E. AUG. 5.1983. 11:30 KST. DEPTH 140 . COLOR 3. TRANS. 22.0.																	
WAVE . SWELL . WIND SW 2. BARO 1012.5. AIR TEMP. DRY 31.0. WET . CLOUD. TYPE . AMT . WEATHER B .																	
0	27.38	32.[illegible]	5.35							0	27.38	32.[illegible]	5.35	20.36	740	739	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	25.38	32.118	5.28							10	25.38	32.118	5.28	21.07	671	671	0.0705
20	25.20	32.161	5.40							20	25.20	32.161	5.40	21.16	663	663	0.1373
30	19.76	33.078	5.61							30	19.76	33.078	5.61	23.38	451	451	0.1931
50	18.77	34.224	5.35							50	18.77	34.224	5.35	24.50	343	345	0.2728
68	16.37	34.291	5.33							75	16.17	34.305	5.33	25.19	278	280	0.3510
91	15.73	34.339	5.33							100	15.47	34.367	5.26	25.39	258	261	0.4188
116	15.01	34.417	5.15							125	12.73	34.318	5.16	25.93	207	210	0.4778
135	10.20	34.209	5.19														

KOREA .GYUNGBUG 853 . STATION 208-06 . 34-58.2. N. 130-11.9. E. AUG. 5.1983. 12:55 KST. DEPTH 135 , COLOR 4, TRANS. 19.0.

WAVE . SWELL . WIND SW 3. BARO 1012.5. AIR TEMP. DRY 31.7. WET , CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	28.48	31.602	5.53							0	28.48	31.602	5.53	19.71	803	802	0.0000
10	26.39	32.470	5.35							10	26.39	32.470	5.35	21.02	676	676	0.0739
20	22.56	33.025	5.51							20	22.56	33.025	5.51	22.58	527	527	0.1341
30	20.13	33.257	5.30							30	20.13	33.257	5.30	23.42	447	448	0.1829
50	18.21	34.356	5.41							50	18.21	34.356	5.41	24.74	321	322	0.2599
77	16.47	34.305	5.45							75	16.59	34.308	5.44	25.09	287	289	0.3364
101	15.77	34.370	5.50							100	15.79	34.367	5.49	25.32	265	268	0.4062
124	13.49	34.318	5.33														

KOREA .GYUNGBUG 853 . STATION 208-07 . 34-52.0. N. 130-20.7. E. AUG. 5.1983. 14:15 KST. DEPTH 130 , COLOR 4, TRANS. 19.0,

WAVE , SWELL , WIND SW 3, BARO 1012.5. AIR TEMP. DRY 32.5. WET . CLOUD. TYPE . AMT , WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	28.07	32.356	5.65							0	28.07	32.356	5.65	20.40	735	735	0.0000
10	25.82	32.753	5.51							10	25.82	32.753	5.51	21.41	639	639	0.0687
20	21.05	33.220	5.42							20	21.05	33.220	5.42	23.14	473	473	0.1243
30	18.01	33.334	5.51							30	18.01	33.334	5.51	24.01	390	391	0.1676

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	17.48	34.334	5.38							50	17.48	34.334	5.38	24.90	305	306	0.2374
69	16.67	34.345	5.22							75	16.48	34.338	5.19	25.14	283	284	0.3114
94	15.91	34.316	5.13							100	15.83	34.313	5.16	25.27	270	273	0.3812
110	15.70	34.308	5.23														

KOREA .GYUNGBUG 853 . STATION 208-08 . 34-45.3. N. 130-30.6. E. AUG. 5.1983. 15:35 KST. DEPTH 130 . COLOR 4, TRANS. 19.0.
WAVE . SWELL . WIND SW 3, BARO 1012. , AIR TEMP. DRY 33.0, WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	27.82	32.201	5.73							0	27.82	32.201	5.73	20.37	739	738	0.0000
10	25.91	33.000	5.68							10	25.91	33.000	5.68	21.57	623	623	0.0681
20	23.35	33.275	5.53							20	23.35	33.275	5.53	22.54	530	531	0.1258
30	20.60	33.312	5.43							30	20.60	33.312	5.43	23.33	455	455	0.1752
50	18.08	34.399	5.27							50	18.08	34.399	5.27	24.81	314	316	0.2524
73	16.96	34.390	5.12							75	16.88	34.388	5.11	25.09	288	290	0.3282
98	16.08	34.371	5.02							100	16.03	34.364	5.04	25.27	271	273	0.3987
121	15.54	34.299	5.33														

KOREA .GYUNGBUG 853 . STATION 208-09 . 34-38.9. N. 130-40.5. E. AUG. 5.1983. 16:55 KST. DEPTH 130 . COLOR 4, TRANS. 20.0.
WAVE . SWELL . WIND SW 2. BARO 1011.1. AIR TEMP. DRY 33.8. WET . CLOUD. TYPE . AMT , WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	28.36	31.751	5.43							0	28.36	31.751	5.43	19.86	788	788	0.0000
10	27.77	32.772	5.43							10	27.77	32.772	5.43	20.81	696	696	0.0742
20	24.49	33.408	5.38							20	24.49	33.408	5.38	22.31	553	553	0.1367
30	21.79	33.557	5.58							30	21.79	33.557	5.58	23.20	468	469	0.1878
50	19.16	34.412	5.53							50	19.16	34.412	5.53	24.55	339	340	0.2688
78	17.28	34.400	5.53							75	17.48	34.401	5.53	24.95	300	302	0.3493
101	16.13	34.374	5.23							100	16.18	34.375	5.24	25.24	273	276	0.4217
126	15.73	******	5.16							125	15.74	******	5.16	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10月(October)

KOREA .GYUNGBUG 853 . STATION 208-01 , 35-28.5. N. 129-27.3. E. OCT.21.1983. 09:50 KST. DEPTH 70 . COLOR 4, TRANS. 10.0.

WAVE NE 3. SWELL NE 1. WIND SE 2. BARO 1020. . AIR TEMP. DRY 25.5. WET , CLOUD. TYPE CU, AMT 03. WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.25	32.046	6.02							0	21.25	32.046	6.02	22.20	563	563	0.0000
10	21.28	31.962	5.82							10	21.28	31.962	5.82,	22.13	570	570	0.0566
20	21.28	32.181	5.50							20	21.28	32.181	5.50	22.29	554	555	0.1129
30	20.71	33.029	5.57							30	20.71	33.029	5.57	23.09	478	479	0.1646
50	19.16	33.848	5.40							50	19.16	33.848	5.40	24.12	380	381	0.2508
68	10.87	34.299	5.14														

KOREA .GYUNGBUG 853 . STATION 208-02 , 35-24.3. N. 129-33.8. E, OCT.21.1983, 10:55 KST, DEPTH 130 , COLOR 4, TRANS. 10.0,

WAVE NE 3. SWELL NE 1, WIND SE 2. BARO 1019. . AIR TEMP. DRY 23.7, WET . CLOUD. TYPE CI, AMT 04. WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.83	32.534	6.12							0	21.83	32.534	6.12	22.41	543	543	0.0000
10	22.44	32.668	5.82							10	22.44	32.668	5.82	22.34	549	549	0.0546
20	20.58	32.672	5.67							20	20.58	32.672	5.67	22.85	501	501	0.1072
30	14.67	33.560	5.54							30	14.67	33.560	5.54	24.95	301	301	0.1474
50	13.97	34.091	5.32							50	13.97	34.091	5.32	25.51	248	249	0.2025
86	10.97	34.345	5.52							75	11.88	34.267	5.45	26.06	196	197	0.2583
110	10.57	34.261	5.32							100	10.73	34.296	5.40	26.29	173	175	0.3050
125	2.60	34.122	5.22							125	2.60	34.122	5.22	27.24	084	084	0.3375

KOREA .GYUNGBUG 853 . STATION 208-03 . 35-17.8. N. 129-42.9. E. OCT.21.1983. 12:20 KST. DEPTH 150 . COLOR , TRANS. ;

WAVE NE 3. SWELL NE 2. WIND SE 2. BARO 1018. . AIR TEMP. DRY 24.0. WET . CLOUD. TYPE CI, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	23.05	33.112	6.02							0	23.05	33.112	6.02	22.51	534	534	0.0000
10	23.05	33.120	5.85							10	23.05	33.120	5.85	22.51	533	533	0.0533

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	23.15	33.220	5.77							20	23.15	33.220	5.77	22.56	529	529	0.1065
30	23.03	33.584	5.54							30	23.03	33.584	5.54	22.87	499	500	0.1580
50	17.21	34.094	5.43							50	17.21	34.094	5.43	24.78	317	318	0.2399
61	15.42	34.488	5.47							75	15.19	34.503	5.53	25.56	243	245	0.3103
98	14.83	34.528	5.64							100	13.85	34.498	5.63	25.84	216	218	0.3682
117	5.55	34.248	5.62							125	3.71	34.166	5.50	27.17	090	091	0.4069
130	2.56	34.116	5.44														

KOREA .GYUNGBUG 853 . STATION 208-04 . 35-11.1. N. 129-52.7. E, OCT.21.1983. 13:45 KST. DEPTH 143 . COLOR 3. TRANS. 13.0.
WAVE SE 3, SWELL SE 1, WIND SE 1, BARO 1019.5, AIR TEMP. DRY 23.0, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

0	22.95	33.224	5.92							0	22.95	33.224	5.92	22.62	523	523	0.0000
10	22.95	33.216	5.84							10	22.95	33.216	5.84	22.61	524	524	0.0523
20	22.98	33.263	5.84							20	22.98	33.263	5.84	22.64	521	521	0.1046
30	22.90	33.280	5.64							30	22.90	33.280	5.64	22.68	518	518	0.1567
50	18.40	34.050	5.00							50	18.40	34.050	5.00	24.46	347	349	0.2434
69	16.27	34.292	5.42							75	16.00	34.329	5.41	25.24	273	275	0.3214
95	15.13	34.454	5.40							100	14.94	34.446	5.45	25.57	242	244	0.3864
113	14.48	34.428	5.52							125	12.08	34.357	5.47	26.09	193	195	0.4415
140	9.10	34.270	5.42														

KOREA ,GYUNGBUG 853 . STATION 208-05 . 35-44.6. N. 130-02.[illegible] E. OCT.21.1983. 15:10 KST. DEPTH 140 . COLOR 3, TRANS. 13.0.
WAVE SE 3. SWELL SE 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 23.5, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,

0	22.37	33.201	6.02							0	22.37	33.201	6.02	22.77	509	509	0.0000
10	22.23	33.175	6.04							10	22.23	33.175	6.04	22.79	507	507	0.0508
20	22.23	33.167	6.02							20	22.23	33.167	6.02	22.78	508	508	0.1016

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	22.19	33.188	5.87							30	22.19	33.188	5.87	22.81	505	506	0.1524
50	18.61	33.769	5.47							50	18.61	33.769	5.47	24.19	373	374	0.2404
68	17.23	34.276	5.32							75	17.21	34.338	5.21	24.97	299	301	0.3249
85	17.19	34.427	5.06							100	17.18	34.466	5.21	25.08	289	291	0.3990
106	17.18	34.482	5.27														
112	15.02	34.430	5.32														

KOREA .GYUNGBUG 853 . STATION 208-06 . 34-58.2. N. 130-11.9. E. OCT.21.1983. 16:35 KST. DEPTH 135 . COLOR 3. TRANS. 13.0.
WAVE NE 2. SWELL NE 1. WIND SE 3. BARO 1017. . AIR TEMP. DRY 21.5. WET . CLOUD. TYPE CI. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.11	33.599	6.07							0	23.11	33.599	6.07	22.86	500	500	0.0000
10	23.10	33.568	5.77							10	23.10	33.568	5.77	22.84	502	502	0.0501
20	23.10	33.579	5.91							20	23.10	33.579	5.91	22.85	502	502	0.1004
30	23.20	33.650	5.77							30	23.20	33.650	5.77	22.87	499	500	0.1505
50	17.84	33.890	5.51							50	17.84	33.890	5.51	24.48	346	347	0.2353
71	16.64	34.148	5.12							75	16.56	34.200	5.06	25.02	294	296	0.3158
90	16.26	34.395	4.87							100	15.59	34.394	4.91	25.39	259	262	0.3857
125	13.93	34.393	5.02							125	13.93	34.393	5.02	25.75	225	228	0.4470

KOREA .GYUNGBUG 853 . STATION 208-07 . 34-52.0. N. 130-20.9. E. OCT.21.1983. 17:55 KST; DEPTH 130 . COLOR . TRANS. .
WAVE NE 2. SWELL NE 1. WIND SE 2. BARO 1017. . AIR TEMP. DRY 20.0, WET . CLOUD. TYPE CU, AMT 04, WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	22.38	33.263	5.77							0	22.38	33.263	5.77	22.81	505	505	0.0000
10	22.98	33.459	5.82							10	22.98	33.459	5.82	22.79	507	507	0.0506
20	23.02	33.516	5.90							20	23.02	33.516	5.90	22.82	504	504	0.1012
30	18.59	33.554	5.72							30	18.59	33.554	5.72	24.04	388	388	0.1459
50	16.99	34.000	5.32							50	16.99	34.000	5.32	24.76	318	320	0.2168

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
76	16.58	34.494	5.24							75	16.59	34.475	5.24	25.22	275	277	0.2915
92	16.28	34.499	5.10							100	16.11	34.479	5.14	25.34	264	267	0.3595
115	15.80	34.443	5.22														

KOREA .GYUNGBUG 853 , STATION 208-08 , 34-45.3. N, 130-30.6. E, OCT.21.1983, 19:15 KST, DEPTH 130 , COLOR , TRANS. ,

WAVE NE 2, SWELL NE 1, WIND SE 2, BARO 1017.5, AIR TEMP. DRY 19.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	22.25	33.200	5.92							0	22.25	33.200	5.92	22.80	506	506	0.0000
10	22.26	33.155	5.57							10	22.26	33.155	5.57	22.76	509	509	0.0508
20	22.26	33.161	5.54							20	22.26	33.161	5.54	22.77	509	509	0.1017
30	22.07	33.201	5.40							30	22.07	33.201	5.40	22.85	501	502	0.1523
50	19.57	33.761	5.24							50	19.57	33.761	5.24	23.95	397	398	0.2424
64	17.97	34.233	5.30							75	17.32	34.391	5.06	24.98	298	300	0.3297
73	17.35	34.360	5.07														
84	17.23	34.531	5.02														

KOREA .GYUNGBUG 853 . STATION 208-09 . 34-38.9. N. 130-40.5. E, OCT.21.1983. 20:35 KST. DEPTH 130 . COLOR . TRANS. ,

WAVE NE 2. SWELL NE 1. WIND SE 2. BARO 1017.5, AIR TEMP. DRY 19.5, WET , CLOUD. TYPE . AMT , WEATHER BC.

0	23.13	33.817	5.72							0	23.13	33.817	5.72	23.02	485	485	0.0000
10	23.16	33.801	5.52							10	23.16	33.801	5.52	23.00	487	487	0.0486
20	23.20	33.801	5.34							20	23.20	33.801	5.34	22.98	488	489	0.0974
30	23.18	******	5.22							30	23.18	33.867	5.22	23.04	483	484	0.1461
50	19.73	34.000	5.17							50	19.73	34.000	5.17	24.09	383	384	0.2330
71	18.21	34.299	5.37							75	18.15	34.302	5.31	24.71	323	325	0.3218
95	17.88	34.317	5.04							100	17.72	34.361	5.06	24.86	309	312	0.4015
120	17.12	34.541	5.14														

12月(December)

KOREA .GYUNGBUG 853 . STATION 208-01 . 35-28.5. N. 129-27.3. E. DEC. 6.1983. 14:25 KST. DEPTH 70 . COLOR 5, TRANS. 13.0,
WAVE NW 3. SWELL NW 1. WIND NW 2. BARO 1023.5. AIR TEMP. DRY 13.0, WET , CLOUD. TYPE , AMT , WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.47	34.042	6.13							0	15.47	34.042	6.13	25.14	282	282	0.0000
10	14.88	34.015	6.15							10	14.88	34.015	6.15	25.25	272	272	0.0277
20	14.08	34.108	5.83							20	14.08	34.108	5.83	25.50	249	249	0.0538
30	13.80	34.084	6.13							30	13.80	34.084	6.13	25.54	245	246	0.0786
50	13.29	34.069	6.05							50	13.29	34.069	6.05	25.63	236	237	0.1269
68	7.52	34.243	5.55														

KOREA .GYUNGBUG 853 , STATION 208-02 , 35-24.3. N. 129-33.8. E, DEC. 6.1983. 13:15 KST, DEPTH 130 , COLOR 4. TRANS. 13.0,
WAVE NW 3, SWELL NW 1. WIND NW 2. BARO 1024. , AIR TEMP. DRY 16.2, WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.40	34.077	6.04							0	13.40	34.077	6.04	25.61	238	237	0.0000
10	13.26	34.062	5.75							10	13.26	34.062	5.75	25.63	236	236	0.0237
20	13.29	34.054	5.73							20	13.29	34.054	5.73	25.62	237	238	0.0474
30	13.10	34.038	6.08							30	13.10	34.038	6.08	25.64	235	235	0.0711
50	12.39	34.219	6.03							50	12.39	34.219	6.03	25.92	208	209	0.1157
77	6.79	34.240	5.53							75	7.20	34.238	5.56	26.81	124	125	0.1576
100	5.19	34.183	5.53							100	5.19	34.183	5.53	27.02	104	105	0.1864
119	5.21	34.188	5.23														

KOREA .GYUNGBUG 853 . STATION 208-03 , 35-17.8. N. 129-42.9. E. DEC. 6.1983. 11:50 KST. DEPTH 150 . COLOR 4, TRANS. 15.0.
WAVE NW 3. SWELL NW 1. WIND NW 2, BARO 1024. . AIR TEMP. DRY 11.5. WET . CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.72	******	6.03							0	15.72	******	6.03	*****	***	***	******
10	15.72	34.008	6.18							10	15.72	34.008	6.18	25.06	290	290	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	15.75	33.999	5.83							20	15.75	33.999	5.83	25.05	291	292	******
30	15.75	34.065	5.88							30	15.75	34.065	5.88	25.10	286	287	******
50	14.95	34.148	5.35							50	14.95	34.148	5.35	25.34	264	265	******
77	14.34	34.240	5.33							75	14.38	34.233	5.33	25.53	246	247	******
95	13.43	34.258	5.48							100	13.02	34.294	5.30	25.86	215	217	******
105	12.62	34.331	5.13														
123	4.38	34.171	5.05														

KOREA .GYUNGBUG 853 , STATION 208-04 . 35-11.1. N. 129-52.7. E. DEC. 6.1983. 10:25 KST. DEPTH 143 . COLOR 3, TRANS. 18.0.
WAVE NW 3. SWELL NW 1, WIND NW 3, BARO 1024. . AIR TEMP. DRY 11.0. WET , CLOUD. TYPE . AMT . WEATHER B .

0	16.94	34.107	6.13							0	16.94	34.107	6.13	24.86	310	309	0.0000
10	16.97	34.103	5.73							10	16.97	34.103	5.73	24.85	310	310	0.0310
20	16.95	34.099	5.93							20	16.95	34.099	5.93	24.85	310	311	0.0621
30	16.95	34.089	6.15							30	16.95	34.089	6.15	24.84	311	312	0.0932
50	15.94	34.157	5.88							50	15.94	34.157	5.88	25.13	284	285	0.1530
84	15.48	34.307	5.84							75	15.60	34.267	5.85	25.29	269	270	0.2226
98	14.44	34.458	5.63							100	13.67	34.437	5.60	25.83	217	219	0.2838
119	6.37	34.238	5.38							125	5.29	34.206	5.33	27.03	103	104	0.3244
134	3.67	34.159	5.26														

KOREA ,GYUNGBUG 853 , STATION 208-05 , 35-04.8. N, 130-02.0. E, DEC. 6.1983, 09:00 KST, DEPTH 140 , COLOR 3, TRANS. 19.0,
WAVE NW 3, SWELL , WIND NW 3, BARO 1023. , AIR TEMP. DRY 10.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	16.67	34.088	6.43							0	16.67	34.088	6.43	24.91	305	305	0.0000
10	16.67	34.068	6.36							10	16.67	34.068	6.36	24.89	306	306	0.0305
20	16.71	34.081	6.45							20	16.71	34.081	6.45	24.89	306	307	0.0612
30	16.71	34.078	6.33							30	16.71	34.078	6.33	24.89	306	307	0.0920

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	16.75	34.096	6.14							50	16.75	34.096	6.14	24.89	306	307	0.1535
84	15.74	34.090	6.13							75	16.00	34.091	6.13	25.06	290	292	0.2285
98	15.08	34.076	5.23							100	15.04	34.097	5.23	25.28	269	272	0.2991
134	14.43	34.458	5.33							125	14.59	34.362	5.30	25.58	241	244	0.3636
138	10.44	34.354	5.03														

KOREA .GYUNGBUG 853 . STATION 208-06 , 34-58.2. N, 130-11.9. E, DEC. 6.1983, 07:40 KST, DEPTH 135 , COLOR 3, TRANS. 15.0,
WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1022. , AIR TEMP. DRY 9.7, WET , CLOUD. TYPE CU, AMT 04, WEATHER BC,

0	17.72	34.214	6.23							0	17.72	34.214	6.23	24.75	319	319	0.0000
10	17.65	34.213	6.46							10	17.65	34.213	6.46	24.77	318	318	0.0319
20	17.65	34.213	6.36							20	17.65	34.213	6.36	24.77	318	318	0.0637
30	17.66	34.219	6.45							30	17.66	34.219	6.45	24.77	318	318	0.0956
50	16.49	34.218	6.11							50	16.49	34.218	6.11	25.05	291	293	0.1568
79	16.06	34.216	6.03							75	16.11	34.216	6.04	25.13	283	285	0.2291
109	15.63	34.434	5.53							100	15.75	34.368	5.68	25.33	265	267	0.2983
117	11.78	34.395	5.43														

KOREA .GYUNGBUG 853 . STATION 208-07 , 34-52.0. N, 130-20.9. E, DEC. 6.1983, 06:20 KST, DEPTH 130 , COLOR , TRANS. ,
WAVE NW 3. SWELL NW 1, WIND NW 4, BARO 1023. , AIR TEMP. DRY 12.5, WET , CLOUD. TYPE , AMT , WEATHER BC,

0	17.74	34.232	6.35							0	17.74	34.232	6.35	24.76	319	318	0.0000
10	17.91	34.229	6.41							10	17.91	34.229	6.41	24.72	323	323	0.0321
20	17.90	34.227	6.33							20	17.90	34.227	6.33	24.72	323	323	0.0644
30	17.93	34.234	6.16							30	17.93	34.234	6.16	24.72	323	323	0.0968
50	17.88	34.229	6.28							50	17.88	34.229	6.28	24.73	322	323	0.1616
63	17.90	34.225	5.86							75	17.87	34.225	5.72	24.73	322	324	0.2426

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
83	17.85	34.225	5.63							100	17.76	34.359	5.36	24.85	310	313	0.3223
102	17.76	34.375	5.33														

KOREA .GYUNGBUG 853 , STATION 208-08 , 34-45.3. N, 130-30.6. E, DEC. 6.1983, 05:00 KST, DEPTH 130 , COLOR , TRANS. .
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1022. , AIR TEMP. DRY 13.0, WET , CLOUD. TYPE , AMT , WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.24	34.252	6.33							0	17.24	34.252	6.33	24.90	306	305	0.0000
10	17.32	34.252	6.03							10	17.32	34.252	6.03	24.88	308	308	0.0306
20	17.38	34.252	6.48							20	17.38	34.252	6.48	24.86	309	309	0.0615
30	17.40	34.241	6.48							30	17.40	34.241	6.48	24.85	310	311	0.0926
50	17.31	34.386	6.03							50	17.31	34.386	6.03	24.98	298	299	0.1536
67	16.98	34.470	5.45							75	16.78	34.481	5.32	25.18	279	281	0.2262
88	16.48	34.499	5.13							100	14.86	34.455	5.25	25.60	239	242	0.2916
103	14.46	34.444	5.28														

KOREA .GYUNGBUG 853 , STATION 208-09 , 34-38.9. N, 130-40.5. E, DEC. 6.1983, 03:40 KST. DEPTH 130 , COLOR , TRANS. .
WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1022. , AIR TEMP. DRY 11.5, WET , CLOUD. TYPE , AMT , WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.39	34.233	6.57							0	17.39	34.233	6.57	24.85	311	310	0.0000
10	17.47	34.233	6.35							10	17.47	34.233	6.35	24.83	312	312	0.0311
20	17.33	34.231	6.54							20	17.33	34.231	6.54	24.86	309	310	0.0623
30	17.29	34.239	6.33							30	17.29	34.239	6.33	24.88	308	308	0.0932
50	17.27	34.236	6.23							50	17.27	34.236	6.23	24.88	308	309	0.1550
79	17.15	34.501	6.01							75	17.16	34.464	6.04	25.08	289	291	0.2301
114	16.59	34.527	*****							100	16.81	34.516	5.69	25.20	277	279	0.3014
128	13.93	34.527	5.33							125	14.50	34.527	5.36	25.73	227	230	0.3652

南 海 海 洋 調 査 成 績

OCEANOGRAPHIC DATA: SOUTHERN WATERS

1 9 8 3

207線 海洋觀測 成績

Oceanographic Data. Line 207

2月(February)

KOREA .GYUNGBUG 853 . STATION 207-01 . 35-01.3. N. 129-07.2. E. FEB. 5.1983. 04:25 KST. DEPTH 84 , COLOR . TRANS. ,

WAVE , SWELL SW 1, WIND SW 3. BARO 1019. , AIR TEMP. DRY 7.0. WET . CLOUD. TYPE . AMT . WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.95	34.511	6.52							0	14.95	34.511	6.52	25.62	237	237	0.0000
10	14.93	34.509	6.43							10	14.93	34.509	6.43	25.62	237	237	0.0237
20	14.45	34.495	6.32							20	14.45	34.495	6.32	25.72	228	228	0.0470
30	14.06	34.491	6.26							30	14.06	34.491	6.26	25.80	220	221	0.0695
50	13.49	34.505	6.00							50	13.49	34.505	6.00	25.92	208	209	0.1126
80	13.05	34.391	6.18							75	13.12	34.410	6.15	25.93	208	210	0.1650

KOREA .GYUNGBUG 853 . STATION 207-02 . 34-57.6. N. 129-11.2. E, FEB. 5.1983, 03:35 KST, DEPTH 103 . COLOR . TRANS. . .

WAVE . SWELL NW 1. WIND NW 4. BARO 1019. . AIR TEMP. DRY 7.1. WET . CLOUD. TYPE . AMT . WEATHER .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.01	34.493	6.49							0	15.01	34.493	6.49	25.59	240	239	0.0000
10	15.10	34.490	6.51							10	15.10	34.490	6.51	25.57	242	242	0.0240
20	15.07	34.504	6.33							20	15.07	34.504	6.33	25.59	240	240	0.0482
30	15.07	34.493	6.46							30	15.07	34.493	6.46	25.58	241	241	0.0723
50	15.10	34.522	*****							50	15.10	34.522	6.41	25.60	239	240	0.1206
72	14.05	34.453	6.36							75	13.95	34.444	*****	25.78	222	223	0.1787
99	13.17	34.372	*****														

KOREA .GYUNGBUG 853 . STATION 207-03 . 34-53.9. N. 129-15.4. E. FEB. 5.1983. 02:45 KST. DEPTH 115 . COLOR . TRANS. .

WAVE . SWELL NW 1. WIND NW 4. BARO 1019. , AIR TEMP. DRY 7.1. WET . CLOUD. TYPE , AMT . WEATHER .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.99	34.516	6.35							0	14.99	34.516	6.35	25.61	238	237	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	15.04	34.496	6.51							10	15.04	34.496	6.51	25.59	240	240	0.0239
20	15.17	34.495	6.46							20	15.17	34.495	6.46	25.56	243	243	0.0481
30	15.14	34.498	6.51							30	15.14	34.498	6.51	25.57	242	242	0.0724
50	15.10	34.496	6.41							50	15.10	34.496	6.41	25.58	241	242	0.1210
78	14.89	34.485	6.41							75	14.91	34.486	6.41	25.61	238	240	0.1814
94	14.06	34.447	6.33							100	13.58	34.410	6.36	25.83	217	219	0.2389
108	12.96	34.361	6.41														

KOREA .GYUNGBUG 853 . STATION 207-04 . 34-50.2. N. 129-19.5. E. FEB. 5.1983. 01:45 KST. DEPTH 240 . COLOR , TRANS. .
WAVE . SWELL NW 1, WIND NW 4. BARO 1019. . AIR TEMP. DRY 7.2. WET , CLOUD. TYPE , AMT , WEATHER .

0	15.15	34.499	6.47							0	15.15	34.499	6.47	25.57	242	242	0.0000
10	15.30	34.512	6.36							10	15.30	34.512	6.36	25.54	244	244	0.0243
20	15.27	34.520	6.36							20	15.27	34.520	6.36	25.56	243	243	0.0487
30	15.30	34.502	6.41							30	15.30	34.502	6.41	25.54	245	246	0.0732
50	15.25	34.502	*****							50	15.25	34.502	6.49	25.55	244	245	0.1224
75	15.27	34.508	6.61							75	15.27	34.508	6.61	25.55	244	246	0.1839
90	15.20	34.517	6.53							100	14.83	34.501	6.51	25.64	235	238	0.2444
127	13.85	34.458	6.46							125	13.92	34.461	6.46	25.80	220	223	0.3021
143	12.94	34.347	6.41							150	12.84	34.334	6.38	25.92	208	212	0.3566
162	12.68	34.314	6.33							200	12.51	34.304	6.31	25.96	204	209	0.4620
208	12.48	34.303	6.31														

KOREA .GYUNGBUG 853 . STATION 207-05 . 34-48.0. N, 129-21.8. E. FEB. 5.1983. 01:00 KST. DEPTH 160 . COLOR . TRANS. .
WAVE . SWELL NW 1. WIND NW 4. BARO 1019. . AIR TEMP. DRY 7.2, WET . CLOUD. TYPE . AMT . WEATHER .

0	15.22	34.502	6.36							0	15.22	34.502	6.36	25.55	243	243	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	15.33	34.501	6.31							10	15.37	34.501	6.31	25.53	246	246	0.0244
20	15.32	34.580	6.43							20	15.32	34.580	6.43	25.59	240	240	0.0488
30	15.32	34.508	6.41							30	15.32	34.508	6.41	25.54	245	246	0.0731
50	15.36	34.503	6.41							50	15.36	34.503	6.41	25.52	246	247	0.1225
75	14.68	34.492	6.31							75	14.68	34.492	6.31	25.66	233	235	0.1628
105	14.28	34.453	6.33							100	14.34	34.459	6.32	25.71	228	231	0.2412
134	13.81	34.473	*****							125	13.95	34.466	6.27	25.80	220	223	0.2980
147	13.18	34.382	6.24														

4月(April)

KOREA .GYUNGBUG 853 . STATION 207-01 . 35-01.3. N. 129-07.2. E. APR.12.1983, 21:10 KST. DEPTH 84 . COLOR . TRANS. .

WAVE NE 1, SWELL NE 1. WIND NE 1. BARO 1018. . AIR TEMP. DRY 13.5. WET . CLOUD. TYPE . AMT . WEATHER C .

0	13.80	34.504	6.80							0	13.80	34.504	6.80	25.86	214	214	0.0000
10	13.80	34.502	6.06							10	13.80	34.502	6.06	25.86	214	214	0.0214
20	13.75	34.496	6.90							20	13.75	34.496	6.90	25.86	214	214	0.0429
30	13.50	34.510	6.05							30	13.50	34.510	6.05	25.93	208	208	0.0641
50	11.69	34.358	6.35							50	11.69	34.358	6.35	26.16	185	186	0.1036
78	11.69	34.351	5.62							75	11.69	34.351	5.69	26.16	186	187	0.1504

KOREA .GYUNGBUG 853 . STATION 207-02 . 34-57.6. N. 129-11.2. E. APR.12.1983. 20:20 KST. DEPTH 103 . COLOR , TRANS. .

WAVE NE 1. SWELL NE 1, WIND NE 2. BARO 1017. . AIR TEMP. DRY 13.5, WET , CLOUD. TYPE . AMT , WEATHER C .

0	14.00	34.462	6.15							0	14.00	34.462	6.15	25.79	221	221	0.0000
10	13.95	34.469	6.80							10	13.95	34.469	6.80	25.80	220	220	0.0220
20	13.83	34.485	6.30							20	13.83	34.485	6.30	25.84	216	216	0.0439
30	13.73	34.490	5.89							30	13.73	34.490	5.89	25.86	214	214	0.0655

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	13.44	34.487	7.00							50	13.44	34.487	7.00	25.92	208	209	0.1080
73	12.02	34.317	6.05							75	11.95	34.319	6.01	26.08	193	194	0.1586
97	11.21	34.351	5.65														

KOREA .GYUNGBUG 853 . STATION 207-03 . 34-53.9. N. 129-15.4. E. APR.12.1983. 19:30 KST. DEPTH 115 . COLOR . TRANS. .
WAVE NE 1. SWELL NE 2. WIND NE 2. BARO 1017. . AIR TEMP. DRY 14.0. WET . CLOUD. TYPE NS. AMT 09. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.80	34.557	6.62							0	14.80	34.557	6.62	25.69	231	230	0.0000
10	14.72	34.544	6.65							10	14.72	34.544	6.65	25.70	230	230	0.0230
20	13.90	34.501	6.87							20	13.90	34.501	6.87	25.84	216	217	0.0454
30	13.35	34.450	5.55							30	13.35	34.450	5.55	25.91	209	210	0.0666
50	13.30	34.509	6.85							50	13.30	34.509	6.85	25.97	204	205	0.1084
83	12.87	34.518	6.72							75	12.97	34.515	6.75	26.04	197	199	0.1590
101	10.91	34.340	6.36							100	11.01	34.349	6.38	26.28	174	176	0.2060
111	10.91	34.325	6.36														

KOREA .GYUNGBUG 853 . STATION 207-04 . 34-56.2. N. 129-19.5. E. APR.12.1983. 18:30 KST. DEPTH 240 . COLOR . TRANS. .
WAVE NE 2. SWELL NE 2. WIND NE 2. BARO 1016. . AIR TEMP. DRY 14.5. WET . CLOUD. TYPE NS. AMT 09. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.96	34.582	6.50							0	14.96	34.582	6.50	25.67	232	232	0.0000
10	14.95	34.581	6.45							10	14.95	34.581	6.45	25.67	232	232	0.0232
20	14.75	34.572	6.23							20	14.75	34.572	6.23	25.71	228	229	0.0463
30	14.30	34.526	6.40							30	14.30	34.526	6.40	25.77	223	223	0.0689
50	13.57	34.478	6.12							50	13.57	34.478	6.12	25.89	212	213	0.1126
77	13.19	34.455	6.52							75	13.21	34.456	6.49	25.94	206	208	0.1653
101	12.92	34.424	6.40							100	12.93	34.425	6.40	25.98	203	205	0.2171
124	12.61	34.411	6.35							125	12.58	34.410	6.34	26.03	198	201	0.2680

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
154	11.77	34.405	6.15							150	11.88	34.405	6.17	26.16	185	189	0.3167
204	10.28	34.325	6.00							200	10.39	34.331	6.01	26.38	165	169	0.4064
233	9.28	34.332	5.72														

KOREA .GYUNGBUG 853 . STATION 207-05 . 34-46.0. N. 129-21.8. E. APR.12.1983. 17:45 KST. DEPTH 160 . COLOR 4, TRANS. 11.0,
WAVE NE 2. SWELL NE 2. WIND NE 3. BARO 1016. . AIR TEMP. DRY 17.5. WET . CLOUD. TYPE NS, AMT 09. WEATHER C .

0	14.95	34.578	6.15							0	14.95	34.578	6.15	25.67	232	232	0.0000
10	14.92	34.598	6.21							10	14.92	34.598	6.21	25.69	230	230	0.0231
20	14.92	34.630	6.60							20	14.92	34.630	6.60	25.72	228	228	0.0460
30	14.79	34.618	6.62							30	14.79	34.618	6.62	25.74	226	226	0.0688
50	14.49	34.599	6.35							50	14.49	34.599	6.35	25.79	221	222	0.1138
81	14.13	34.561	6.40							75	14.19	34.568	6.39	25.83	218	219	0.1691
101	13.64	34.511	5.90							100	13.66	34.513	5.92	25.89	211	213	0.2233
127	13.58	34.499	*****							125	13.58	34.499	*****	25.90	210	213	0.2767
149	13.56	34.516	*****														

6 月(June)

KOREA .GYUNGBUG 853 . STATION 207-01 . 35-01.3. N. 129-07.2. E. JUN. 8.1983. 12:45 KST. DEPTH 84 . COLOR 3, TRANS. 14.0,
WAVE W 1. SWELL W 1. WIND W 4. BARO 1011.5. AIR TEMP. DRY 22.7. WET . CLOUD. TYPE CU. AMT 07. WEATHER BC.

0	18.67	34.133	5.80							0	18.67	34.133	5.80	24.46	348	347	0.0000
10	18.15	34.137	5.93							10	18.15	34.137	5.93	24.59	335	335	0.0341
20	15.84	34.193	5.57							20	15.84	34.193	5.57	25.18	279	279	0.0649
30	14.93	34.534	5.63							30	14.93	34.534	5.63	25.64	235	235	0.0907
50	14.56	34.537	5.27							50	14.56	34.537	5.27	25.72	227	228	0.1371
80	14.29	34.525	5.27							75	14.33	34.527	5.27	25.76	223	225	0.1939

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GYUNGBUG 853 . STATION 207-02 , 34-57.6. N, 129-11.2. E, JUN. 8.1983. 11:55 KST, DEPTH 103 , COLOR 3. TRANS. 14.0,																	
WAVE W 1. SWELL W 1. WIND W 4. BARO 1011.5. AIR TEMP. DRY 22.0. WET . CLOUD. TYPE NS, AMT 07, WEATHER BC,																	
0	18.98	33.997	5.55							0	18.98	33.997	5.55	24.28	365	365	0.0000
10	18.38	33.967	5.57							10	18.38	33.967	5.57	24.40	353	353	0.0359
20	17.57	34.010	5.57							20	17.57	34.010	5.57	24.63	331	331	0.0701
30	16.35	34.060	5.47							30	16.35	34.060	5.47	24.96	300	300	0.1018
50	14.85	34.091	5.42							50	14.85	34.091	5.42	25.32	266	267	0.1586
72	14.46	34.387	5.27							75	14.01	34.380	5.26	25.72	228	229	0.2207
87	12.25	34.355	5.23														
KOREA .GYUNGBUG 853 . STATION 207-03 . 34-53.9. N. 129-15.4. E. JUN. 8.1983, 11:05 KST. DEPTH 115 . COLOR 3. TRANS. 14.0.																	
WAVE W 1. SWELL W 1, WIND W 4. BARO 1011.5. AIR TEMP. DRY 20.0, WET , CLOUD. TYPE NS, AMT 10. WEATHER C .																	
0	19.70	33.961	5.67							0	19.70	33.961	5.67	24.06	385	385	0.0000
10	19.39	33.974	5.60							10	19.39	33.974	5.60	24.15	377	377	0.0381
20	19.51	33.940	5.42							20	19.51	33.940	5.42	24.10	382	382	0.0761
30	15.11	34.006	5.37							30	15.11	34.006	5.37	25.20	277	278	0.1091
50	14.79	34.106	5.32							50	14.79	34.106	5.32	25.34	263	264	0.1635
68	14.02	34.208	5.38							75	13.83	34.228	5.36	25.64	235	237	0.2262
97	13.24	34.294	5.33							100	12.95	34.309	5.33	25.88	212	214	0.2827
113	11.73	34.377	5.38														
KOREA .GYUNGBUG 853 . STATION 207-04 . 34-50.2. N. 129-19.5. E, JUN. 8.1983. 10:05 KST. DEPTH 240 . COLOR 3, TRANS. 15.0.																	
WAVE W 1. SWELL W 1. WIND W 4. BARO 1011.8, AIR TEMP. DRY 21.5. WET . CLOUD. TYPE NS. AMT 10. WEATHER C ,																	
0	19.37	34.033	5.90							0	19.37	34.033	5.90	24.20	372	372	0.0000
10	19.15	34.119	5.60							10	19.15	34.119	5.60	24.33	360	360	0.0366

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
15	17.07	34.186	5.62							20	16.63	34.243	5.88	25.03	293	293	0.0693
20	16.63	34.243	5.88							30	16.03	34.253	5.58	25.18	279	279	0.0980
33	15.85	34.256	5.50							50	15.22	34.275	5.50	25.38	260	261	0.1521
57	14.97	34.284	5.50							75	13.91	34.334	5.31	25.71	229	231	0.2137
70	14.03	34.332	5.38							100	13.28	34.385	5.07	25.88	213	215	0.2695
94	13.46	34.342	5.08							125	12.64	34.500	5.08	26.09	192	195	0.3209
118	12.74	34.517	5.05							150	12.29	34.443	5.19	26.12	190	193	0.3696
150	12.29	34.443	5.19														
169	7.55	34.291	*****														

KOREA .GYUNGBUG 853 . STATION 207-05 . 34-48.0. N. 129-21.8. E. JUN. 8.1983. 09:20 KST. DEPTH 160 . COLOR 3. TRANS. 15.0.

WAVE NW 1. SWELL NW 1. WIND NW 3. BARO 1011.8. AIR TEMP. DRY 22.0. WET , CLOUD. TYPE CU. AMT 09. WEATHER C ,

0	19.74	34.300	5.81							0	19.74	34.300	5.81	24.31	362	361	0.0000
10	19.42	34.316	5.78							10	19.42	34.316	5.78	24.41	353	353	0.0357
20	19.07	34.310	5.78							20	19.07	34.310	5.78	24.49	344	345	0.0706
30	18.36	34.313	5.78							30	18.36	34.313	5.78	24.67	327	328	0.1043
50	17.47	34.323	5.78							50	17.47	34.323	5.78	24.90	306	307	0.1679
71	15.41	34.377	5.75							75	15.37	34.394	5.66	25.44	254	256	0.2384
98	15.18	34.493	5.19							100	15.17	34.497	5.17	25.56	243	245	0.3012
116	15.11	34.536	5.07							125	15.04	34.530	5.11	25.61	238	241	0.3621
138	14.95	34.522	5.17														

8月(August)

KOREA .BUSAN 852 , STATION 207-01 . 35-01.3. N. 129-07.2. E. AUG. 3.1983. 11:50 KST. DEPTH 84 . COLOR 4, TRANS. 7.0.

WAVE S 1. SWELL S 1. WIND S 1. BARO 1007. , AIR TEMP. DRY 25.4, WET , CLOUD. TYPE CI, AMT 02. WEATHER B .

0	22.93	32.710	5.45							0	22.93	32.710	5.45	22.24	560	559	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	21.88	33.140	5.58							10	21.88	33.140	5.58	22.86	500	500	0.0530
20	19.89	33.150	5.21							20	19.89	33.150	5.21	23.40	449	449	0.1005
30	17.34	33.590	4.83							30	17.34	33.590	4.83	24.37	356	357	0.1409
50	13.38	34.260	4.63							50	13.38	34.260	4.63	25.76	224	225	0.1991
75	8.27	34.250	4.28							75	8.27	34.250	4.28	26.66	138	139	0.2448

KOREA .BUSAN 852 . STATION 207-02 . 34-57.6. N. 129-11.2. E. AUG. 3.1983. 12:40 KST. DEPTH 103 . COLOR 4. TRANS. 12.0.
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1007. . AIR TEMP. DRY 26.0. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

0	23.87	32.530	5.43							0	23.87	32.530	5.43	21.83	599	598	0.0000
10	18.28	32.870	5.25							10	18.28	32.870	5.25	23.59	430	430	0.0514
20	14.92	33.670	5.28							20	14.92	33.670	5.28	24.98	298	298	0.0879
30	14.18	34.050	4.93							30	14.18	34.050	4.93	25.43	255	256	0.1156
50	13.87	34.270	4.63							50	13.87	34.270	4.63	25.66	233	234	0.1647
75	13.18	34.260	4.33							75	13.18	34.260	4.33	25.80	220	222	0.2217
100	8.75	34.280	4.41							100	8.75	34.280	4.41	26.61	143	145	0.2676

KOREA .BUSAN 852 . STATION 207-03 . 34-53.9. N. 129-15.4. E. AUG. 3.1983. 13:50 KST. DEPTH 111 . COLOR 3. TRANS. 15.0.
WAVE S 1. SWELL S 1. WIND S 1. BARO 1005.9. AIR TEMP. DRY 27.0. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

0	25.00	32.400	5.18							0	25.00	32.400	5.18	21.40	640	640	0.0000
10	22.27	32.490	5.13							10	22.27	32.490	5.13	22.26	558	558	0.0599
20	16.05	33.080	4.97							20	16.05	33.080	4.97	24.28	365	365	0.1061
30	15.78	33.930	4.91							30	15.78	33.930	4.91	24.99	297	298	0.1393
50	15.09	34.180	4.51							50	15.09	34.180	4.51	25.33	264	265	0.1956
75	15.15	34.150	4.63							75	15.15	34.150	4.63	25.30	268	269	0.2626
100	14.70	34.210	4.53							100	14.70	34.210	4.53	25.44	254	256	0.3284
109	14.18	34.320	4.43														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .BUSAN 852 . STATION 207-04 . 34-50.2. N. 129-17.5. E. AUG. 3.1983. 15:00 KST. DEPTH 215 . COLOR 3. TRANS. 17.0.

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1006. . AIR TEMP. DRY 27.6. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.29	32.400	4.83							0	26.29	32.400	4.83	21.00	678	678	0.0000
10	25.63	32.470	5.01							10	25.63	32.470	5.01	21.26	653	653	0.0665
20	20.95	32.510	5.31							20	20.95	32.510	5.31	22.63	522	522	0.1254
30	17.00	33.090	5.33							30	17.00	33.090	5.33	24.07	385	386	0.1708
50	14.54	34.000	4.81							50	14.54	34.000	4.81	25.32	266	267	0.2362
75	14.54	34.350	4.38							75	14.54	34.350	4.38	25.58	240	242	0.2999
100	14.17	34.360	4.31							100	14.17	34.360	4.31	25.67	232	235	0.3596
125	14.04	34.380	4.13							125	14.04	34.360	4.13	25.71	228	231	0.4180
150	12.85	34.400	4.23							150	12.85	34.400	4.23	25.97	204	207	0.4729
200	10.92	34.420	4.37							200	10.92	34.420	4.37	26.35	167	172	0.5677
213	8.85	34.430	4.35														

KOREA .BUSAN 852 , STATION 207-05 . 34-48.0. N. 129-21.8. E. AUG. 3.1983. 16:00 KST. DEPTH 160 . COLOR . TRANS. .

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1006. . AIR TEMP. DRY 27.4. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.04	32.410	4.99							0	26.04	32.410	4.99	21.09	670	669	0.0000
10	25.15	32.440	4.73							10	25.15	32.440	4.73	21.38	642	642	0.0655
20	19.85	32.470	4.95							20	19.85	32.470	4.95	22.89	497	497	0.1225
30	19.57	32.540	5.03							30	19.57	32.540	5.03	23.02	485	486	0.1718
50	17.95	33.710	4.81							50	17.95	33.710	4.81	24.31	361	363	0.2567
75	16.09	34.290	4.68							75	16.09	34.290	4.68	25.20	277	279	0.3371
100	14.88	34.350	4.23							100	14.88	34.350	4.23	25.51	247	250	0.4033
125	14.56	******	4.13							125	14.56	34.380	4.13	25.60	239	242	0.4649
150	12.37	34.410	4.05							150	12.37	34.410	4.05	26.07	194	197	0.5199

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10月(October)

KOREA .GYUNGBUG 853 . STATION 207-01 . 35-01.3. N. 129-07.2. E. OCT.19.1983. 13:40 KST. DEPTH 84 . COLOR . TRANS. .
WAVE NE 4. SWELL NE 2. WIND NE 4. BARO 1016. . AIR TEMP. DRY 25.1. WET . CLOUD. TYPE CU. AMT 07. WEATHER BC.

0	21.25	31.758	6.17							0	21.25	31.758	6.17	21.98	584	584	0.0000
10	21.20	31.674	6.02							10	21.20	31.674	6.02	21.93	589	589	0.0586
20	22.05	32.349	5.74							20	22.05	32.349	5.74	22.21	562	562	0.1163
30	18.39	32.987	5.72							30	18.39	32.987	5.72	23.65	424	425	0.1657
50	13.42	34.257	5.30							50	13.42	34.257	5.30	25.75	225	226	0.2309
71	12.76	34.447	4.72														

KOREA .GYUNGBUG 853 , STATION 207-02 . 34-57.6. N. 129-11.2. E, OCT.19.1983. 14:30 KST, DEPTH 103 . COLOR , TRANS. .
WAVE NE 4. SWELL NE 2. WIND NE 4. BARO 1015. . AIR TEMP. DRY 22.3. WET , CLOUD. TYPE CI, AMT 07. WEATHER BC.

0	22.30	32.477	6.37							0	22.30	32.477	6.37	22.24	560	559	0.0000
10	22.24	32.409	6.02							10	22.24	32.409	6.02	22.20	563	563	0.0561
20	23.58	33.911	5.80							20	23.58	33.911	5.80	22.96	491	491	0.1089
30	24.07	33.726	5.52							30	24.07	33.726	5.52	22.67	518	519	0.1594
50	14.49	33.849	5.42							50	14.49	33.849	5.42	25.21	276	277	0.2390
75	14.91	34.422	4.93							75	14.91	34.422	4.93	25.56	243	244	0.3044
100	12.63	34.444	4.83							100	12.63	34.444	4.83	26.05	196	198	0.3598

KOREA .GYUNGBUG 853 . STATION 207-03 , 34-53.9. N. 129-15.4. E, OCT.19.1983. 15:20 KST, DEPTH 115 . COLOR . TRANS. .
WAVE NE 4. SWELL NE 2. WIND NE 4. BARO 1015. . AIR TEMP. DRY 21.4, WET . CLOUD. TYPE CI. AMT 07. WEATHER BC.

0	22.24	32.511	6.02							0	22.24	32.511	6.02	22.28	555	555	0.0000
10	22.38	32.499	6.02							10	22.38	32.499	6.02	22.23	560	560	0.0558
20	23.56	33.130	5.74							20	23.56	33.130	5.74	22.37	547	547	0.1112

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	23.71	33.665	5.72														
50	17.70	33.874	5.52														
65	15.02	34.378	5.37							30	23.71	33.665	5.72	22.73	512	513	0.1642
92	15.02	34.547	4.94							50	17.70	33.874	5.52	24.50	344	345	0.2501
105	9.80	34.351	*****							75	15.02	34.440	5.21	25.55	244	245	0.3240
										100	11.80	34.426	*****	26.19	182	185	0.3779

KOREA .GYUNGBUG 853 . STATION 207-04 . 34-50.2. N. 129-19.5. E. OCT.19.1983. 16:10 KST. DEPTH 240 . COLOR . TRANS.
WAVE NE 4. SWELL NE 2. WIND NE 4. BARO 1015. . AIR TEMP. DRY 20.5. WET . CLOUD. TYPE CI. AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	22.07	32.484	5.90														
10	22.07	32.377	5.82							0	22.07	32.484	5.90	22.31	553	553	0.0000
20	22.85	32.837	5.74							10	22.07	32.377	5.82	22.23	561	561	0.0557
30	20.49	33.802	5.68							20	22.85	32.837	5.74	22.36	548	549	0.1112
50	14.99	34.302	5.50							30	20.49	33.802	5.68	23.74	417	417	0.1595
75	15.07	34.497	5.32							50	14.99	34.302	5.50	25.45	253	254	0.2268
96	15.05	34.557	5.11							75	15.07	34.497	5.32	25.58	241	242	0.2890
116	14.72	34.557	4.72							100	14.98	34.557	5.03	25.65	234	237	0.3490
127	8.07	34.298	4.52							125	9.27	34.345	4.55	26.58	146	148	0.3973
153	5.26	34.144	4.82							150	5.58	34.161	4.78	26.96	110	111	0.4299
200	4.60	******	*****							200	4.60	******	*****	*****	***	***	******

KOREA .GYUNGBUG 853 . STATION 207-05 . 34-48.0. N. 129-21.8. E. OCT.17.1983. 23:45 KST. DEPTH 160 . COLOR . TRANS.
WAVE NE 4. SWELL NE 2. WIND NE 5. BARO 1016. , AIR TEMP. DRY 20.6. WET . CLOUD. TYPE . AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.47	33.180	*****														
10	23.50	33.138	5.90							0	23.47	33.180	*****	22.44	541	540	0.0000
20	23.82	33.379	5.67							10	23.50	33.138	5.90	22.40	544	544	0.0542
30	23.86	33.617	5.92							20	23.82	33.379	5.67	22.49	536	536	0.1083
										30	23.86	33.617	5.92	22.65	520	520	0.1612

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	22.12	34.064	*****							50	22.12	34.064	5.65	23.49	440	441	0.2575
75	15.66	34.282	5.32							75	15.66	34.282	5.32	25.29	269	271	0.3466
102	15.21	34.557	5.00							100	15.24	34.536	5.02	25.58	241	244	0.4110
132	14.52	34.551	4.70							125	14.68	34.552	4.77	25.71	228	232	0.4705
151	5.59	34.147	4.67							150	6.06	34.168	4.67	26.90	115	117	0.5142

12月(December)

KOREA .GYUNGBUG 853 . STATION 207-01 . 35-01.3. N. 129-07.2. E. DEC. 6.1983. 17:50 KST. DEPTH 84 . COLOR . TRANS. .
WAVE NW 3. SWELL NW 1. WIND NW 2. BARO 1024. . AIR TEMP. DRY 10.5. WET . CLOUD. TYPE . AMT . WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.52	34.112	6.20							0	15.52	34.112	6.20	25.19	278	278	0.0000
10	15.87	34.121	5.93							10	15.87	34.121	5.93	25.12	285	285	0.0281
20	15.29	34.183	5.75							20	15.29	34.183	5.75	25.29	268	268	0.0559
30	15.40	34.213	5.33							30	15.40	34.213	5.33	25.29	268	269	0.0828
50	15.59	34.308	5.02							50	15.59	34.308	5.02	25.32	265	266	0.1364
75	14.19	34.366	4.87							75	14.19	34.386	4.87	25.69	231	232	0.1989

KOREA .GYUNGBUG 853 . STATION 207-02 . 34-57.6. N. 129-11.2. E. DEC. 6.1983. 18:40 KST. DEPTH 103 . COLOR . TRANS. .
WAVE NW 3. SWELL NW 1. WIND NW 1. BARO 1024. . AIR TEMP. DRY 11.0. WET . CLOUD. TYPE . AMT . WEATHER .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.85	34.000	6.03							0	15.85	34.000	6.03	25.03	293	293	0.0000
10	15.87	33.985	6.16							10	15.87	33.985	6.16	25.01	295	295	0.0294
20	15.44	33.966	6.18							20	15.44	33.966	6.18	25.09	287	287	0.0586
30	15.20	33.957	5.73							30	15.20	33.957	5.73	25.14	283	283	0.0871
50	14.60	33.964	5.51							50	14.60	33.964	5.51	25.27	270	271	0.1427
65	15.71	34.343	5.33							75	13.64	34.364	5.15	25.78	221	223	0.2045
82	12.20	34.379	5.03														

KOREA .GYUNGBUG 853 . STATION 207-03 . 34-53.9. N. 129-15.4. E. DEC. 6.1983. 19:30 KST. DEPTH 115 . COLOR . TRANS. ,

WAVE NW 3, SWELL NW 1, WIND NW 2, BARO 1024. , AIR TEMP. DRY 10.8. WET . CLOUD. TYPE . AMT . WEATHER .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.44	33.956	6.15							0	15.44	33.956	6.15	25.09	288	288	0.0000
10	15.15	33.898	5.93							10	15.15	33.898	5.93	25.10	286	286	0.0287
20	14.95	33.894	5.93							20	14.95	33.894	5.93	25.15	282	282	0.0571
30	14.87	33.891	5.65							30	14.87	33.891	5.65	25.16	281	281	0.0854
50	14.77	33.888	5.71							50	14.77	33.888	5.71	25.18	279	280	0.1416
70	14.93	34.054	5.95							75	15.17	34.261	5.94	25.38	260	262	0.2094
80	15.41	34.469	5.93							100	12.67	34.409	5.12	26.02	199	202	0.2675
110	11.30	34.380	4.72														

KOREA .GYUNGBUG 853 . STATION 207-04 . 34-50.2. N. 129-19.5. E. DEC. 6.1983. 20:20 KST. DEPTH 240 . COLOR . TRANS. ,

WAVE NW 3, SWELL NW 1. WIND NW 2. BARO 1024. ; AIR TEMP. DRY 10.8. WET . CLOUD. TYPE . AMT . WEATHER .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.24	34.087	6.18							0	16.24	34.087	6.18	25.01	295	295	0.0000
10	16.23	34.082	6.13							10	16.23	34.082	6.13	25.00	296	296	0.0295
20	16.16	34.053	6.23							20	16.16	34.053	6.23	25.00	296	296	0.0592
30	14.65	34.031	5.74							30	14.65	34.031	5.74	25.32	266	266	0.0874
50	14.83	34.100	5.63							50	14.83	34.100	5.63	25.33	265	266	0.1407
75	14.46	34.089	5.43							75	14.46	34.089	5.43	25.40	258	260	0.2065
118	12.80	34.382	5.73							100	13.49	34.259	5.60	25.73	226	228	0.2676
130	10.13	34.308	5.33							125	11.24	34.338	5.49	26.23	179	181	0.3190
155	5.65	34.200	5.14							150	6.54	34.221	5.17	26.88	117	119	0.3567
176	5.02	34.182	*****														

KOREA .GYUNGBUG 853 , STATION 207-05 , 34-48.0. N, 129-21.8. E, DEC. 6.1983, 21:10 KST, DEPTH 160 , COLOR , TRANS. .

WAVE NW 3, SWELL NW 1, WIND NW 2, BARO 1024. , AIR TEMP. DRY 10.9, WET , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.36	34.129	6.28							0	17.36	34.129	6.28	24.78	317	317	0.0000
10	17.21	34.128	6.23							10	17.21	34.128	6.23	24.81	314	314	0.0316
20	17.05	34.129	6.25							20	17.05	34.129	6.25	24.85	310	311	0.0628
30	16.75	34.128	6.03							30	16.75	34.128	6.03	24.92	304	304	0.0936
50	16.35	34.138	6.01							50	16.35	34.138	6.01	25.02	294	295	0.1537
73	15.59	34.148	5.53							75	15.57	34.150	5.53	25.20	277	278	0.2255
98	15.39	34.173	5.63							100	15.27	34.203	5.54	25.31	266	269	0.2941
111	14.66	34.372	5.05							125	11.64	34.315	5.19	26.14	188	190	0.3516
148	6.70	34.222	5.43														

206線 海洋觀測 成績

Oceanographic Data. Line 206

2 月(February)

KOREA .GYUNGBUG 853 . STATION 206-01 . 34-35.5. N. 128-34.5. E. FEB. 4.1983. 15:30 KST. DEPTH 62 . COLOR 5. TRANS. 6.0.

WAVE SW 1. SWELL SW 1. WIND SW 3. BARO 1019. . AIR TEMP. DRY 9.5. WET . CLOUD. TYPE CI. AMT 04. WEATHER BC.

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.35	34.324	6.51							0	12.35	34.324	6.51	26.01	200	200	0.0000
10	12.37	34.340	6.47							10	12.37	34.340	6.47	26.02	199	199	0.0199
20	12.29	34.360	6.31							20	12.29	34.360	6.31	26.05	196	196	0.0397
30	12.12	34.302	6.51							30	12.12	34.302	6.51	26.04	197	198	0.0595
50	12.03	34.286	6.31							50	12.03	34.286	6.31	26.04	197	198	0.0991
60	12.03	34.284	6.31														

KOREA .GYUNGBUG 853 . STATION 206-02 . 34-29.6. N. 128-41.2. E. FEB. 4.1983. 16:40 KST. DEPTH 70 , COLOR 5, TRANS. 6.0.

WAVE SW 1. SWELL SW 1. WIND SW 3. BARO 1019. . AIR TEMP. DRY 8.5. WET , CLOUD. TYPE CI. AMT 04, WEATHER BC.

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.27	34.471	6.52							0	14.27	34.471	6.52	25.74	226	226	0.0000
10	14.26	34.471	6.49							10	14.26	34.471	6.49	25.74	226	226	0.0226
20	14.32	34.491	6.41							20	14.32	34.491	6.41	25.74	226	226	0.0452
30	14.26	34.475	6.41							30	14.26	34.475	6.41	25.74	226	226	0.0679
50	13.75	34.497	*****							50	13.75	34.497	6.30	25.86	214	215	0.1120
68	13.04	34.384	6.21														

KOREA .GYUNGBUG 853 . STATION 206-03 . 34-22.4. N, 128-49.7. E, FEB. 4.1983, 18:00 KST, DEPTH 94 , COLOR , TRANS. ,

WAVE SW 2. SWELL SW 1. WIND SW 3. BARO 1019.5, AIR TEMP. DRY 7.7. WET , CLOUD. TYPE CU, AMT 03, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.23	34.486	6.19							0	14.23	34.486	6.19	25.76	224	224	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.24	34.470	6.19							10	14.24	34.470	6.19	25.74	226	225	0.0225
20	14.24	34.473	6.41							20	14.24	34.473	6.41	25.74	225	226	0.0451
30	14.24	34.471	6.41							30	14.24	34.471	6.41	25.74	225	226	0.0677
50	14.24	34.478	6.25							50	14.24	34.478	6.25	25.75	225	226	0.1130
82	12.39	34.319	6.25							75	12.79	34.353	6.25	25.95	206	207	0.1673
88	12.34	34.339	6.22														

KOREA .GYUNGBUG 853 . STATION 206-04 . 34-15.3. N. 128-58.0. E. FEB. 4.1983. 19:20 KST. DEPTH 110 . COLOR . TRANS. .
WAVE SW 1. SWELL SW 1. WIND SW 4. BARO 1020 . AIR TEMP. DRY 7.8. WET . CLOUD. TYPE CU. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.07	34.501	6.57							0	15.07	34.501	6.57	25.59	240	240	0.0000
10	15.08	34.501	6.51							10	15.08	34.501	6.51	25.58	240	240	0.0240
20	15.12	34.505	6.52							20	15.12	34.505	6.52	25.58	241	241	0.0482
30	15.06	34.510	6.51							30	15.06	34.510	6.51	25.60	239	240	0.0723
50	14.76	34.501	6.44							50	14.76	34.501	6.44	25.65	234	235	0.1199
75	14.35	34.498	6.41							75	14.35	34.498	6.41	25.74	226	227	0.1778
97	14.35	34.474	6.26														

KOREA .GYUNGBUG 853 . STATION 206-05 . 34-08.1. N. 129-00.3. E. FEB. 4.1983. 20:40 KST. DEPTH 130 . COLOR . TRANS. .
WAVE SW 2. SWELL SW 1. WIND SW 3. BARO 1020. . AIR TEMP. DRY 8.0. WET . CLOUD. TYPE CU. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.57	34.523	6.31							0	15.57	34.523	6.31	25.49	249	249	0.0000
10	15.62	34.531	6.36							10	15.62	34.531	6.36	25.49	250	250	0.0249
20	15.62	34.516	6.00							20	15.62	34.516	6.00	25.48	251	251	0.0500
30	15.64	34.522	6.27							30	15.64	34.522	6.23	25.48	251	251	0.0752
50	15.57	34.517	******							50	15.57	34.517	6.17	25.49	250	251	0.1255
72	15.64	34.514	6.10							75	15.62	34.513	6.09	25.47	251	253	0.1886

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
106	15.20	34.505	6.05							100	15.28	34.506	6.05	25.54	244	247	0.2512
122	14.54	34.491	6.01														

4月(April)

KOREA .GYUNGBUG 853 . STATION 206-01 . 34-35.5. N. 128-34.5. E. APR.12.1983. 08:55 KST. DEPTH 62 . COLOR 5. TRANS. 10.0.

WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1015. . AIR TEMP. DRY 15.4. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.30	34.521	6.10							0	13.30	34.521	6.10	25.98	203	203	0.0000
10	13.27	34.446	6.12							10	13.27	34.446	6.12	25.92	208	208	0.0206
20	13.20	34.442	6.05							20	13.20	34.442	6.05	25.93	207	207	0.0414
30	13.15	34.447	5.90							30	13.15	34.447	5.90	25.95	206	206	0.0621
50	13.15	34.447	5.90							50	13.15	34.447	5.90	25.95	206	207	0.1035
57	13.15	34.456	6.10														

KOREA .GYUNGBUG 853 . STATION 206-02 . 34-29.6. N. 128-41.2. E. APR.12.1983. 10:00 KST. DEPTH 70 . COLOR 5. TRANS. 10.0.

WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1017. . AIR TEMP. DRY 15.5. WET . CLOUD. TYPE CS. AMT 06. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.45	34.499	6.19							0	13.45	34.499	6.19	25.93	208	207	0.0000
10	13.30	34.497	5.75							10	13.30	34.497	5.75	25.96	205	205	0.0206
20	13.25	34.503	6.03							20	13.25	34.503	6.03	25.97	204	204	0.0411
30	13.24	34.511	6.05							30	13.24	34.511	6.05	25.98	203	203	0.0615
50	12.94	34.499	5.86							50	12.94	34.499	5.86	26.03	198	199	0.1018
65	12.54	34.486	6.00														

KOREA .GYUNGBUG 853 . STATION 206-03 . 34-21.4. N. 128-49.7. E. APR.12.1983. 11:10 KST. DEPTH 94 . COLOR 4. TRANS. 12.0.

WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1017. . AIR TEMP. DRY 14.8. WET . CLOUD. TYPE CS. AMT 05. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.43	34.480	6.05							0	13.43	34.480	6.05	25.92	209	208	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	13.30	34.474	6.12							10	13.30	34.474	6.12	25.94	207	207	0.0208
20	13.24	34.478	6.42							20	13.24	34.478	6.42	25.95	205	205	0.0414
30	13.23	34.479	6.69							30	13.23	34.479	6.69	25.96	205	205	0.0620
50	12.55	34.502	5.85							50	12.55	34.502	5.85	26.11	190	191	0.1018
75	12.34	34.471	6.08							75	12.34	34.471	6.08	26.13	189	190	0.1496
90	12.01	34.420	5.62														

KOREA .GYUNGBUG 857 , STATION 206-04 . 34-15.3. N. 128-58.6. E. APR.12.1983. 12:22 KST. DEPTH 110 , COLOR 4. TRANS. 11.0.

WAVE NE 1. SWELL NE 1. WIND NW 2. BARO 1016.5. AIR TEMP. DRY 17.0. WET . CLOUD. TYPE CS. AMT 04. WEATHER BC.

0	15.04	34.512	6.21							0	15.04	34.512	6.21	25.60	239	239	0.0000
10	14.86	34.525	5.90							10	14.86	34.525	5.90	25.65	234	234	0.0236
20	14.55	34.499	5.75							20	14.55	34.499	5.75	25.70	230	230	0.0469
30	13.98	34.536	5.72							30	13.98	34.536	5.72	25.85	215	216	0.0692
50	13.95	34.546	5.72							50	13.95	34.548	5.72	25.86	214	215	0.1124
75	13.32	34.465	5.72							75	13.32	34.469	5.72	25.93	208	209	0.1656
90	13.28	34.441	6.25														

KOREA .GYUNGBUG 857 . STATION 206-05 . 34-08.1. N. 129-06.3. E. APR.12.1983. 13:40 KST. DEPTH 130 . COLOR 4. TRANS. 13.0.

WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1016. . AIR TEMP. DRY 21.0. WET . CLOUD. TYPE CS AMT 04. WEATHER BC.

0	15.37	34.579	6.12							0	15.37	34.579	6.12	25.56	241	241	0.0000
10	15.37	34.573	6.30							10	15.37	34.573	6.30	25.57	241	241	0.0241
20	15.11	34.577	5.62							20	15.11	34.577	5.62	25.64	236	236	0.0480
30	15.09	34.573	5.62							30	15.09	34.573	5.62	25.64	235	236	0.0716
50	14.57	34.542	6.54							50	14.55	34.542	6.54	25.73	226	227	0.1180
80	13.47	34.431	6.05							75	13.67	34.452	6.17	25.85	216	217	0.1737

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
103	13.27	34.410	5.85							100	13.29	34.412	5.87	25.89	211	213	0.2277
127	13.13	34.403	5.85							125	13.14	34.403	5.85	25.92	209	212	0.2809

6 月(June)

KOREA .GYUNGBUG 853 . STATION 206-01 . 34-35.5. N. 128-34.5. E. JUN. 7.1983. 23:50 KST. DEPTH 63 . COLOR . TRANS. .

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1011.5. AIR TEMP. DRY 18.5. WET . CLOUD. TYPE CU. AMT 08, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.70	33.955	5.80							0	17.70	33.955	5.80	24.56	338	338	0.0000
10	17.38	33.982	5.88							10	17.38	33.982	5.88	24.66	329	329	0.0333
20	17.25	34.002	6.00							20	17.25	34.002	6.00	24.70	324	324	0.0660
30	17.12	34.044	5.68							30	17.12	34.044	5.68	24.77	318	319	0.0982
50	16.49	34.013	5.41							50	16.49	34.013	5.41	24.89	306	307	0.1609
59	15.50	34.057	*****														

KOREA .GYUNGBUG 853 . STATION 206-02 . 34-29.6. N. 128-41.2. E. JUN. 8.1983. 01:00 KST. DEPTH 70 .. COLOR . TRANS. .

WAVE SE 1. SWELL SE 1. WIND SE 2. BARO 1011.5. AIR TEMP. DRY 17.6. WET . CLOUD. TYPE CU. AMT 08. WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.02	34.042	6.08							0	19.02	34.042	6.08	24.30	363	362	0.0000
10	18.16	34.008	6.08							10	18.16	34.008	6.08	24.49	345	345	0.0354
20	17.91	34.053	6.00							20	17.91	34.053	6.00	24.58	336	336	0.0694
30	17.85	34.129	5.58							30	17.85	34.129	5.58	24.66	329	329	0.1027
50	15.82	34.117	5.58							50	15.82	34.117	5.58	25.12	284	285	0.1643
65	14.22	34.199	5.28														

KOREA .GYUNGBUG 853 . STATION 206-03 . 34-22.4. N. 128-49.7. E. JUN. 8.1983. 02:20 KST. DEPTH 94 . COLOR . TRANS. ,

WAVE SE 1, SWELL SE 1, WIND SE 3, BARO 1011.5. AIR TEMP. DRY 17.7. WET . CLOUD. TYPE CU, AMT 09, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.98	34.029	6.08							0	18.98	34.029	6.08	24.30	363	362	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	18.57	34.034	6.00							10	18.57	34.034	6.00	24.41	352	353	0.0357
20	17.77	34.033	5.88							20	17.77	34.033	5.88	24.60	334	334	0.0701
30	14.95	34.063	5.58							30	14.95	34.063	5.58	25.28	270	270	0.1004
50	14.55	34.214	5.56							50	14.55	34.214	5.56	25.48	251	252	0.1527
72	14.11	34.408	5.17							75	14.09	34.402	5.14	25.72	228	229	0.2129
89	14.01	34.374	5.01														

KOREA .GYUNGBUG 853 . STATION 206-04 . 34-15.3. N. 128-58.0. E. JUN. 8.1983. 03:40 KST. DEPTH 110 . COLOR . TRANS. .

WAVE SE 1. SWELL SE 1. WIND SE 3. BARO 1011.5. AIR TEMP. DRY 17.7. WET . CLOUD. TYPE CU. AMT 08. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.99	34.201	6.08							0	19.99	34.201	6.08	24.17	375	375	0.0000
10	19.49	34.267	5.68							10	19.49	34.267	5.68	24.35	358	358	0.0366
20	19.12	34.312	5.76							20	19.12	34.312	5.76	24.48	346	346	0.0719
30	18.47	******	5.78							30	18.47	34.336	5.78	24.66	328	329	0.1056
50	15.96	34.385	5.59							50	15.96	34.385	5.59	25.30	268	269	0.1655
65	15.47	34.405	5.47							75	15.36	34.417	5.39	25.45	253	255	0.2310
105	15.05	34.438	5.17							100	15.08	34.433	5.20	25.53	245	248	0.2940

KOREA .GYUNGBUG 853 . STATION 206-05 . 34-08.1. N. 129-06.3. E. JUN. 8.1983. 05:00 KST. DEPTH 130 .. COLOR . TRANS. .

WAVE SE 1. SWELL SE 1. WIND SE 3. BARO 1012. . AIR TEMP. DRY 19.2. WET . CLOUD. TYPE CU. AMT 08. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.99	34.223	6.00							0	19.99	34.223	6.00	24.19	373	373	0.0000
10	19.86	34.282	5.47							10	19.86	34.282	5.47	24.27	366	366	0.0370
20	19.44	34.296	5.57							20	19.44	34.296	5.57	24.39	354	355	0.0730
30	18.48	34.427	5.70							30	18.48	34.427	5.70	24.73	322	322	0.1069
50	17.66	34.484	5.46							50	17.66	34.484	5.46	24.97	298	300	0.1693
75	16.55	34.511	5.29							75	16.55	34.511	5.29	25.26	271	273	0.2410

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
94	15.80	34.549	5.39							100	15.79	34.545	5.35	25.46	252	255	0.3071
119	15.77	34.536	5.25														

8 月(August)

KOREA .BUSAN 852 . STATION 206-01 . 34-31.5. N. 128-34.5. E. AUG. 4.1983. 10:20 KST. DEPTH 62 . . COLOR 3. TRANS. 13.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO [illegible] . AIR TEMP. DRY 26.4. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	24.45	32.570	5.63							0	24.45	32.570	5.63	21.69	612	612	0.0000
10	20.38	33.010	5.63							10	20.38	33.010	5.63	23.16	471	471	0.0541
20	17.39	33.050	5.43							20	17.39	33.050	5.43	23.94	397	397	0.0976
30	14.51	33.220	5.23							30	14.51	33.220	5.23	24.72	323	323	0.1336
50	14.17	34.170	5.13							50	14.17	34.170	5.13	25.52	246	247	0.1908
60	14.10	34.230	5.08														

KOREA .BUSAN 852 . STATION 206-02 . 34-29.6. N. 128-41.2. E. AUG. 4.1983. 11:25 KST. DEPTH 70 . . COLOR 3. TRANS. 13.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1008. . AIR TEMP. DRY 27.8. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	25.48	32.490	5.21							0	25.48	32.490	5.21	21.32	647	647	0.0000
10	20.34	32.570	5.23							10	20.34	32.570	5.23	22.84	502	502	0.0575
20	18.03	32.930	5.31							20	18.03	32.930	5.31	23.70	420	420	0.1036
30	14.64	33.410	5.25							30	14.64	33.410	5.25	24.84	311	312	0.1403
50	14.00	34.010	4.83							50	14.00	34.010	4.83	25.44	254	255	0.1971
68	13.96	34.250	4.39														

KOREA .BUSAN 852 . STATION 206-03 . 34-22.4. N. 128-49.7. E. AUG. 4.1983. 12:35 KST. DEPTH 78 . . COLOR 3. TRANS. 14.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1007.3. AIR TEMP. DRY 29.5. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.70	31.660	4.95							0	26.70	31.660	4.95	20.32	744	743	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	23.42	32.040	5.25							10	23.42	32.040	5.25	21.59	622	622	0.0682
20	20.55	32.790	5.43							20	20.55	32.790	5.43	22.95	491	492	0.1239
30	16.36	******	5.28							30	16.36	33.183	5.28	24.29	364	365	0.1668
50	16.62	33.970	4.98							50	16.62	33.970	4.98	24.83	312	314	0.2347
75	14.60	34.290	4.33							75	14.60	34.290	4.33	25.53	246	248	0.3050
96	14.30	34.300	4.23														

KOREA .BUSAN 852 . STATION 206-04 . 34-15.3. N. 128-58.0. E. AUG. 4.1983. 14:20 KST. DEPTH 111 , COLOR 3. TRANS. 17.0.

WAVE . SWELL SW 1. WIND SW 1. BARO 1006.5. AIR TEMP. DRY 31.5. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .

0	27.99	31.100	4.90							0	27.99	31.100	4.90	19.49	823	823	0.0000
10	26.70	32.250	5.03							10	26.70	32.250	5.03	20.76	701	701	0.0762
20	24.30	32.830	5.23							20	24.30	32.830	5.23	21.93	589	589	0.1408
30	20.99	33.300	5.53							30	20.99	33.300	5.53	23.22	466	466	0.1936
50	17.32	33.730	5.05							50	17.32	33.730	5.05	24.48	346	347	0.2750
75	15.89	34.050	4.63							75	15.89	34.050	4.63	25.06	291	292	0.3550
100	14.50	34.400	4.23							100	14.50	34.400	4.23	25.63	236	238	0.4215

KOREA ,BUSAN 852 , STATION 206-05 , 34-08.1. N, 129-06.3. E, AUG. 4.1983, 15:40 KST, DEPTH 138 , COLOR , TRANS. 20.0,

WAVE W 1, SWELL W 1, WIND W 1, BARO 1005.8. AIR TEMP. DRY 32.0, WET , CLOUD. TYPE CI. AMT 01. WEATHER B ,

0	28.90	31.230	4.93							0	28.90	31.230	4.93	19.29	843	842	0.0000
10	27.08	******	4.83							10	27.08	32.003	4.83	20.46	730	730	0.0786
20	23.17	******	5.23							20	23.17	32.776	5.23	22.22	561	562	0.1433
30	20.92	33.550	5.33							30	20.92	33.550	5.33	23.43	446	446	0.1937
50	19.26	34.310	4.73							50	19.26	34.310	4.73	24.44	349	350	0.2735
75	16.22	34.390	4.41							75	16.22	34.390	4.41	25.24	273	275	0.3518
100	14.58	34.420	4.03							100	14.58	34.420	4.03	25.63	236	238	0.4161
125	14.55	34.450	3.98							125	14.55	34.450	3.98	25.66	233	236	0.4755

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10月(October)

KOREA ,GYUNGBUG 853 , STATION 206-01 , 34-35.5. N, 128-34.5. E, OCT.17.1983, 14:15 KST, DEPTH 62 , COLOR 4, TRANS. 9.0,
WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1016. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE SC, AMT 09, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.65	31.249	5.42							0	21.65	31.249	5.42	21.49	631	631	0.0000
10	21.56	31.289	5.52							10	21.56	31.289	5.52	21.54	626	626	0.0629
20	21.43	31.881	5.57							20	21.43	31.881	5.57	22.03	580	580	0.1232
30	20.81	32.340	5.42							30	20.81	32.340	5.42	22.54	531	531	0.1788
50	16.86	33.068	5.04							50	16.86	33.068	5.04	24.08	383	385	0.2705
60	14.21	******	*****														

KOREA .GYUNGBUG 853 . STATION 206-02 . 34-29.6. N. 128-41.2. E, OCT.17.1983. 15:25 KST. DEPTH 70 , COLOR 4. TRANS. 8.0,
WAVE NE 2, SWELL NE 1, WIND NE 5, BARO 1016. , AIR TEMP. DRY 22.5, WET , CLOUD. TYPE SC, AMT 09, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.55	31.399	5.62							0	21.55	31.399	5.62	21.63	618	618	0.0000
10	21.13	31.769	5.50							10	21.13	31.769	5.50	22.02	580	580	0.0599
20	22.57	32.353	5.61							20	22.57	32.353	5.61	22.07	576	576	0.1178
30	22.38	32.399	5.62							30	22.38	32.399	5.62	22.16	567	568	0.1750
50	14.18	33.861	5.08							50	14.18	33.861	5.08	25.28	269	270	0.2589
68	13.75	33.950	4.92														

KOREA .GYUNGBUG 853 . STATION 206-03 . 34-22.4. N. 128-49.7. E. OCT.17.1983. 16:45 KST. DEPTH 94 . COLOR 3. TRANS. 7.0.
WAVE NE 3, SWELL NE 1, WIND NE 5, BARO 1016. , AIR TEMP. DRY 22.0, WET , CLOUD. TYPE SC, AMT 09, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.20	32.108	5.64							0	22.20	32.108	5.64	21.99	584	583	0.0000
10	22.22	32.210	5.69							10	22.22	32.210	5.69	22.06	577	577	0.0580
20	22.65	32.406	5.50							20	22.65	32.406	5.50	22.09	574	574	0.1156
30	22.41	33.032	5.30							30	22.41	33.032	5.30	22.63	522	523	0.1705

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	14.44	33.942	5.14							50	14.44	33.942	5.14	25.29	268	269	0.2498
75	14.40	34.053	4.52							75	14.40	34.053	4.52	25.39	259	261	0.3162
92	14.42	34.050	4.64														
KOREA .GYUNGBUG 853 , STATION 206-04 , 34-15.3. N. 128-58.0. E, OCT.17.1983. 18:05 KST. DEPTH 110 , COLOR , TRANS. .																	
WAVE NE 3, SWELL NE 1, WIND NE 6, BARO 1016.5, AIR TEMP. DRY 21.0, WET , CLOUD. TYPE SC, AMT 10, WEATHER C .																	
0	23.51	33.317	5.72							0	23.51	33.317	5.72	22.53	532	531	0.0000
10	23.51	33.305	5.74							10	23.51	33.305	5.74	22.52	533	533	0.0532
20	23.61	33.337	5.52							20	23.61	33.337	5.52	22.52	533	533	0.1066
30	23.90	33.503	5.52							30	23.90	33.503	5.52	22.56	529	530	0.1598
50	24.08	33.590	5.34							50	24.08	33.590	5.34	22.57	528	529	0.2658
77	15.88	34.000	4.84							75	16.48	33.969	4.87	24.86	309	311	0.3710
86	15.22	34.477	4.73														
KOREA .GYUNGBUG 853 . STATION 206-05 . 34-08.1. N. 129-06.3. E. OCT.17.1983. 19:25 KST. DEPTH 130 . COLOR . TRANS. .																	
WAVE NE 4. SWELL NE 2. WIND NE 5. BARO 1017. . AIR TEMP. DRY 21.0. WET . CLOUD. TYPE . AMT 10. WEATHER C .																	
0	24.83	33.678	*****							0	24.83	33.678	*****	22.41	543	543	0.0000
10	24.91	33.750	5.32							10	24.91	33.750	5.32	22.44	540	540	0.0541
20	24.91	33.738	5.22							20	24.91	33.738	5.22	22.43	541	541	0.1083
30	24.91	33.779	5.42							30	24.91	33.779	5.42	22.46	538	539	0.1623
50	20.79	33.861	4.87							50	20.79	33.861	4.87	23.70	420	421	0.2584
83	18.68	33.944	4.68							75	19.19	33.923	4.72	24.17	375	377	0.3583
105	15.50	34.318	4.42							100	16.22	34.233	4.47	25.12	284	287	0.4415
115	15.49	34.407	4.37														

12月(December)

KOREA .GYUNGBUG 853 , STATION 206-01 , 34-35.5. N, 128-34.5. E, DEC. 7.1983, 06:40 KST, DEPTH 62 , COLOR , TRANS. ,
WAVE NW 4, SWELL NW 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 10.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.53	34.052	6.16							0	14.53	34.052	6.16	25.36	262	262	0.0000
10	14.57	34.001	6.23							10	14.57	34.001	6.23	25.31	267	267	0.0264
20	14.57	34.001	5.95							20	14.57	34.001	5.95	25.31	267	267	0.0531
30	14.56	33.999	5.86							30	14.56	33.999	5.86	25.31	266	267	0.0799
50	14.53	33.994	5.75							50	14.53	33.994	5.75	25.31	266	267	0.1334
60	14.52	34.013	5.73														

KOREA .GYUNGBUG 853 . STATION 206-02 , 34-29.6. N, 128-41.2. E, DEC. 7.1983, 05:30 KST. DEPTH 70 . COLOR . TRANS. .
WAVE NW 3, SWELL NW 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 10.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.85	34.217	6.25							0	16.85	34.217	6.25	24.96	299	299	0.0000
10	16.39	34.160	6.24							10	16.39	34.160	6.24	25.03	293	293	0.0296
20	14.99	34.025	6.06							20	14.99	34.025	6.06	25.24	273	274	0.0580
30	14.86	34.025	6.15							30	14.86	34.025	6.15	25.27	271	271	0.0853
50	14.63	34.006	6.01							50	14.63	34.006	6.01	25.30	267	268	0.1394
68	14.47	34.337	5.65														

KOREA .GYUNGBUG 853 , STATION 206-03 , 34-22.4. N, 128-49.7. E, DEC. 7.1983, 04:10 KST, DEPTH 94 , COLOR , TRANS. ,
WAVE NW 3, SWELL NW 1, WIND NW 1, BARO 1025. , AIR TEMP. DRY 11.0, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.11	34.099	6.23							0	17.11	34.099	6.23	24.81	314	314	0.0000
10	17.10	34.114	6.16							10	17.10	34.114	6.16	24.83	313	313	0.0313
20	16.77	34.059	6.01							20	16.77	34.059	6.01	24.86	309	309	0.0625
30	16.32	34.084	5.76							30	16.32	34.084	5.76	24.98	297	298	0.0929

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	15.29	34.119	5.73							50	15.29	34.119	5.73	25.24	273	274	0.1502
78	13.46	34.478	5.73							75	13.65	34.439	5.73	25.84	216	218	0.2118
89	11.63	34.408	5.56														

KOREA ,GYUNGBUG 853 , STATION 206-04 , 34-15.3. N, 128-58.0. E, DEC. 7.1983, 02:50 KST, DEPTH 110 ., COLOR , TRANS. ,

WAVE NW 3, SWELL NW 1, WIND NW 1, BARO 1025. , AIR TEMP. DRY 11.0, WET , CLOUD. TYPE , AMT , WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.12	34.063	6.04							0	16.12	34.063	6.04	25.01	295	294	0.0000
10	15.48	33.974	6.03							10	15.48	33.974	6.03	25.09	287	287	0.0291
20	15.13	33.929	5.78							20	15.13	33.929	5.78	25.13	283	284	0.0577
30	15.01	33.935	5.75							30	15.01	33.935	5.75	25.16	280	281	0.0860
50	14.89	34.016	5.63							50	14.89	34.016	5.63	25.25	272	273	0.1415
77	15.10	34.203	5.73							75	15.08	34.189	5.72	25.34	263	265	0.2089
100	14.89	34.081	5.53							100	14.89	34.081	5.53	25.30	267	270	0.2758

KOREA ,GYUNGBUG 853 , STATION 206-05 , 34-08.1. N, 129-06.3. E, DEC. 7.1983, 01:30 KST, DEPTH 130 , COLOR , TRANS. ,

WAVE NW 3, SWELL NW 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 10.8, WET , CLOUD. TYPE , AMT , WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.42	34.176	5.76							0	18.42	34.176	5.76	24.55	339	338	0.0000
10	18.44	34.152	5.91							10	18.44	34.152	5.91	24.53	341	341	0.0340
20	18.50	34.225	5.83							20	18.50	34.225	5.83	24.57	337	337	0.0679
30	18.51	34.256	5.76							30	18.51	34.256	5.76	24.59	335	336	0.1016
50	18.18	34.247	5.51							50	18.18	34.247	5.51	24.67	328	329	0.1682
75	16.51	34.235	5.53							75	16.51	34.235	5.53	25.06	291	292	0.2460
99	16.47	34.444	5.53							100	16.46	34.444	5.51	25.23	274	277	0.3173
128	16.28	34.467	5.21							125	16.29	34.464	5.24	25.28	269	273	0.3861

205線 海洋觀測 成績

Oceanographic Data. Line 205

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2月(February)

KOREA ,BUSAN 852 , STATION 205-01 , 34-22.3. N, 127-48.5. E, FEB. 4.1983, 06:05 KST, DEPTH 53 , COLOR , TRANS. ,
WAVE N 3, SWELL N 1, WIND NW 3, BARO 1017. , AIR TEMP. DRY 4.6, WET , CLOUD. TYPE SC, AMT 07, WEATHER BC,

0	11.01	34.270	6.53							0	11.01	34.270	6.53	26.22	180	180	0.0000
10	11.01	34.240	6.44							10	11.01	34.340	6.44	26.20	182	182	0.0181
20	11.07	34.240	6.34							20	11.07	34.240	6.34	26.19	183	183	0.0364
30	11.04	34.240	6.24							30	11.04	34.240	6.24	26.19	183	183	0.0548
50	10.99	34.250	6.26							50	10.99	34.250	6.26	26.21	181	182	0.0914

KOREA ,BUSAN 852 , STATION 205-02 , 34-15.0. N, 127-52.1. E, FEB. 4.1983, 05:00 KST, DEPTH 53 , COLOR , TRANS. ,
WAVE N 3, SWELL N 2, WIND NW 3, BARO 1017. , AIR TEMP. DRY 5.2, WET , CLOUD. TYPE SC, AMT 07, WEATHER BC,

0	13.06	34.430	5.89							0	13.08	34.430	5.89	25.95	206	205	0.0000
10	13.09	34.460	5.84							10	13.09	34.460	5.84	25.97	204	204	0.0205
20	11.06	34.220	6.34							20	11.08	34.220	6.34	26.17	185	185	0.0399
30	10.85	34.170	6.29							30	10.85	34.170	6.29	26.17	185	185	0.0585
50	10.41	34.140	6.24							50	10.41	34.140	6.24	26.23	180	180	0.0951

KOREA .BUSAN 852 . STATION 205-03 . 34-05.5. N. 127-56.9. E. FEB. 4.1983, 03:40 KST. DEPTH 80 . COLOR . TRANS. .
WAVE N 2, SWELL N 1, WIND N 3, BARO 1016.5, AIR TEMP. DRY 6.9, WET , CLOUD. TYPE SC. AMT 07, WEATHER BC,

0	14.18	34.520	5.69							0	14.18	34.520	5.69	25.79	221	220	0.0000
10	12.33	34.330	5.69							10	12.33	34.330	5.69	26.02	199	199	0.0210
20	11.74	34.270	6.08							20	11.74	34.270	6.08	26.09	193	193	0.0406

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	10.93	34.160	6.24							30	10.93	34.160	6.24	26.15	187	187	0.0597
50	10.64	34.160	6.14							50	10.64	34.160	6.14	26.20	182	183	0.0967
75	10.17	34.030	5.74							75	10.17	34.030	5.74	26.18	184	185	0.1428
80	9.42	34.030	*****														

KOREA .BUSAN 852 . STATION 205-04 . 33-51.5. N. 128-03.0. E. FEB. 4.1983. 01:40 KST. DEPTH 85 . COLOR . TRANS. .

WAVE N 2. SWELL N 1. WIND N 2. BARO 1016. . AIR TEMP. DRY 8.4. WET . CLOUD. TYPE SC. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.65	34.550	5.74							0	14.65	34.550	5.74	25.72	228	228	0.0000
10	14.44	34.510	5.69							10	14.44	34.510	5.69	25.73	227	227	0.0227
20	14.33	34.530	5.69							20	14.33	34.530	5.69	25.77	223	223	0.0453
30	14.20	34.510	5.69							30	14.20	34.510	5.69	25.78	222	222	0.0676
50	13.89	34.520	5.69							50	13.89	34.520	5.69	25.85	215	216	0.1115
75	13.61	34.550	5.74							75	13.61	34.550	5.74	25.93	207	209	0.1647
80	13.50	******	*****														

KOREA .BUSAN 852 . STATION 205-05 . 33 37.3. N. 128-09.2. E. FEB. 5.1983. 23:40 KST. DEPTH 110 . COLOR . TRANS. .

WAVE N 3. SWELL N 2. WIND N 2. BARO 1017. . AIR TEMP. DRY 8.7. WET . CLOUD. TYPE SC. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	16.01	34.570	5.35							0	16.01	34.570	5.35	25.43	255	255	0.0000
10	16.05	34.590	5.43							10	16.05	34.590	5.43	25.43	255	255	0.0255
20	16.03	34.550	5.33							20	16.03	34.550	5.33	25.41	257	257	0.0511
30	16.03	34.520	5.64							30	16.03	34.520	5.64	25.39	259	260	0.0770
50	16.06	34.560	5.46							50	16.06	34.560	5.46	25.41	257	258	0.1289
75	16.07	******	5.35							75	16.07	34.565	5.35	25.41	257	259	0.1937
100	16.09	34.570	5.25							100	16.09	34.570	5.25	25.41	257	260	0.2586
105	16.06	34.570	5.27														

4月(April)

KOREA .BUSAN 852 . STATION 205-01 . 34-22.3. N. 127-48.5. E. APR. 9.1983. 12:00 KST. DEPTH 54 . COLOR 5. TRANS. 8.0.
WAVE NE 3. SWELL NE 3. WIND NE 5. BARO 1011. . AIR TEMP. DRY 12.9. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.20	34.120	6.35							0	12.20	34.120	6.35	25.88	212	212	0.0000
10	12.11	34.120	6.30							10	12.11	34.120	6.30	25.90	210	210	0.0211
20	11.90	34.140	6.25							20	11.90	34.140	6.25	25.96	205	205	0.0419
30	11.28	34.100	6.20							30	11.28	34.100	6.20	26.04	197	198	0.0621
50	11.12	******	6.10							50	11.12	******	6.10	*****	***	***	******

KOREA .BUSAN 852 . STATION 205-02 . 34-15.0. N. 127-52.1. E. APR. 9.1983. 11:00 KST. DEPTH 53 . COLOR 3. TRANS. 10.0.
WAVE NE 3. SWELL NE 3. WIND NE 4. BARO 1011.7. AIR TEMP. DRY 13.4. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .

0	12.94	34.270	6.50							0	12.94	34.270	6.50	25.85	215	214	0.0000
10	12.80	34.270	6.45							10	12.80	34.270	6.45	25.88	212	212	0.0213
20	10.76	34.010	6.20							20	10.76	34.010	6.20	26.06	195	195	0.0417
30	10.75	34.010	6.15							30	10.75	34.010	6.15	26.06	195	195	0.0613
50	10.87	34.060	6.20							50	10.87	34.060	6.20	26.08	193	194	0.1003

KOREA .BUSAN 852 . STATION 205-03 . 34-05.5. N. 127-56.9. E. APR. 9.1983. 09:45 KST. DEPTH 80 . COLOR 3. TRANS. 10.0.
WAVE NE 3. SWELL NE 3. WIND NE 4. BARO 1011.2. AIR TEMP. DRY 13.6. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

0	13.12	34.260	6.35							0	13.12	34.260	6.35	25.81	219	219	0.0000
10	13.01	34.260	6.10							10	13.01	34.260	6.10	25.83	217	217	0.0218
20	13.04	34.260	5.95							20	13.04	34.260	5.95	25.83	217	218	0.0435
30	12.73	34.300	6.20							30	12.73	34.300	6.20	25.92	209	209	0.0649
50	13.02	34.270	6.05							50	13.02	34.270	6.05	25.84	216	217	0.1077
75	12.77	34.360	6.00							75	12.77	34.360	6.00	25.96	205	207	0.1608

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .BUSAN 852 . STATION 205-04 . 33-51.5. N. 128-03.0. E. APR. 9.1983. 08:00 KST. DEPTH 84 . COLOR 3. TRANS. 11.0.

WAVE NE 3. SWELL NE 3. WIND NE 4. BARO 1011.2. AIR TEMP. DRY 13.8. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.42	34.340	6.05							0	13.42	34.340	6.05	25.81	219	219	0.0000
10	13.37	34.360	5.90							10	13.37	34.360	5.90	25.84	216	216	0.0217
20	13.38	34.350	5.90							20	13.38	34.350	5.90	25.83	217	218	0.0435
30	13.05	34.330	5.80							30	13.05	34.330	5.80	25.88	212	213	0.0651
50	13.00	34.330	5.75							50	13.00	34.330	5.75	25.89	212	212	0.1077
75	12.98	34.330	5.75							75	12.98	34.330	5.75	25.89	211	213	0.1610

KOREA .BUSAN 852 . STATION 205-05 . 33-37.3. N. 128-09.2. E. APR. 9.1983. 06:10 KST. DEPTH 115 . CÓLOR . TRANS. .

WAVE NE 4. SWELL NE 3. WIND NE 4. BARO 1011.5. AIR TEMP. DRY 14.4. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.10	34.460	6.10							0	14.10	34.460	6.10	25.76	223	223	0.0000
10	14.02	34.410	6.10							10	14.02	34.410	6.10	25.74	226	225	0.0224
20	14.09	34.410	6.00							20	14.09	34.410	6.00	25.73	227	227	0.0451
30	14.03	34.470	6.05							30	14.03	34.470	6.05	25.79	221	222	0.0676
50	13.89	34.420	6.00							50	13.89	34.420	6.00	25.78	222	223	0.1122
75	13.52	34.430	5.85							75	13.52	34.430	5.85	25.86	214	216	0.1672
100	13.35	34.380	5.90							100	13.35	34.380	5.90	25.86	215	217	0.2214
110	13.07	34.380	5.80														

6月(June)

KOREA .BUSAN 852 . STATION 205-01 . 34-22.3. N. 127-48.5. E. JUN. 9.1983. 05:10 KST. DEPTH 52 . COLOR . TRANS. .

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1008. . AIR TEMP. DRY 18.2. WET . CLOUD. TYPE CI. AMT 05. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.40	33.710	5.77							0	18.40	33.710	5.77	24.20	372	372	0.0000
10	17.34	33.740	5.92							10	17.34	33.740	5.92	24.48	345	345	0.0358

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	16.55	33.750	5.97							20	16.55	33.750	5.97	24.68	327	327	0.0695
30	16.25	33.830	5.77							30	16.25	33.830	5.77	24.81	314	315	0.1017
50	15.43	33.850	5.57							50	15.43	33.850	5.57	25.01	295	296	0.1629

KOREA .BUSAN 852 . STATION 205-02 . 34-15.0. N. 127-52.1. E. JUN. 9.1983. 04:15 KST. DEPTH 60 . COLOR . TRANS. .
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1008. . AIR TEMP. DRY 18.2. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.72	33.750	5.67							0	17.72	33.750	5.67	24.40	353	353	0.0000
10	16.48	33.730	6.07							10	16.48	33.730	6.07	24.68	327	327	0.0340
20	15.80	33.730	6.17							20	15.80	33.730	6.17	24.83	312	312	0.0660
30	15.53	33.730	6.07							30	15.53	33.730	6.07	24.89	306	307	0.0970
50	14.13	33.780	5.87							50	14.13	33.780	5.87	25.23	274	275	0.1553

KOREA .BUSAN 852 . STATION 205-03 . 34-05.5. N. 127-56.9. E. JUN. 9.1983. 03:00 KST. DEPTH 8[illegible] . COLOR . TRANS. .
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1008. . AIR TEMP. DRY 18.6. WET . CLOUD. TYPE CI. AMT [illegible]2. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.19	33.570	5.77							0	18.19	33.570	5.77	24.15	377	377	0.0000
10	18.10	33.690	5.97							10	18.10	33.690	5.97	24.26	366	366	0.0372
20	16.24	33.700	5.87							20	16.24	33.700	5.87	24.71	324	324	0.0717
30	14.16	33.780	5.82							30	14.16	33.780	5.82	25.23	274	275	0.1017
50	13.81	34.010	5.53							50	13.81	34.010	5.53	25.48	251	252	0.1545
75	13.76	34.140	5.37							75	13.76	34.140	5.37	25.59	240	242	0.2163

KOREA .BUSAN 852 . STATION 205-04 . 33-51.5. N. 128-03.0. E. JUN. 9.1983. 01:20 KST. DEPTH 102 . COLOR . TRANS. .
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1008. . AIR TEMP. DRY 19.6. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.74	33.630	5.82							0	19.74	33.630	5.82	23.80	410	410	0.0000
10	19.73	33.580	5.77							10	19.73	33.580	5.77	23.77	414	414	0.0412
20	18.79	33.970	5.67							20	18.79	33.970	5.67	24.30	362	363	0.0800

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	17.48	34.230	5.62							30	17.48	34.230	5.62	24.82	313	313	0.1139
50	16.52	34.430	5.47							50	16.52	34.430	5.47	25.20	277	278	0.1731
75	15.37	******	5.47							75	15.37	34.445	5.47	25.48	251	252	0.2395
100	15.10	34.460	5.42							100	15.10	34.460	5.42	25.55	244	246	0.3020

KOREA .BUSAN 852 . STATION 205-05 . 33-37.3. N. 128-09.2. E. JUN. 6.1983. 23:40 KST. DEPTH 116 . COLOR . TRANS. .
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1008.5. AIR TEMP. DRY 20.5. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.30	33.520	5.67							0	20.30	33.520	5.67	23.57	432	432	0.0000
10	20.23	33.490	5.52							10	20.23	33.490	5.52	23.57	433	433	0.0432
20	20.15	33.550	5.57							20	20.15	33.550	5.57	23.63	426	427	0.0862
30	19.11	34.040	5.47							30	19.11	34.040	5.47	24.26	365	366	0.1259
50	18.09	34.060	5.42							50	18.09	34.060	5.42	24.55	339	340	0.1966
75	17.82	34.070	5.37							75	17.82	34.070	5.37	24.62	332	334	0.2811
100	17.74	34.500	5.12							100	17.74	34.500	5.12	24.97	299	302	0.3607
110	17.10	34.530	4.98														

8月(August)

KOREA .BUSAN 852 . STATION 205-01 . 34-22.3. N. 127-48.5. E. AUG. 6.1983. 12:30 KST. DEPTH 54 . COLOR 5. TRANS. 7.0.
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1009. . AIR TEMP. DRY 26.9. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.31	32.730	5.30							0	27.31	32.730	5.30	20.93	685	685	0.0000
10	22.19	32.800	5.50							10	22.19	32.800	5.50	22.51	533	533	0.0609
20	17.00	33.030	5.20							20	17.00	33.030	5.20	24.02	389	390	0.1071
30	14.60	33.540	4.83							30	14.60	33.540	4.83	24.95	301	301	0.1417
50	14.09	34.030	4.63							50	14.09	34.030	4.63	25.43	255	256	0.1975

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 205-02 . 34-15.0. N. 127-52.1. E. AUG. 5.1983. 10:15 KST. DEPTH 60 . COLOR 3, TRANS. 16.0.																	
WAVE , SWELL SE 1. WIND SE 1. BARO 1009. . AIR TEMP. DRY 28.7. WET . CLOUD. TYPE CI. AMT 01, WEATHER B ,																	
0	24.07	32.110	5.33							0	24.07	32.110	5.33	21.46	635	634	0.0000
10	19.77	32.380	5.63							10	19.77	32.380	5.63	22.84	502	502	0.0568
20	16.28	32.800	5.53							20	16.28	32.800	5.53	24.01	390	391	0.1015
30	13.73	33.410	5.23							30	13.73	33.410	5.23	25.03	293	294	0.1357
50	13.56	34.100	4.93							50	13.56	34.100	4.93	25.60	239	240	0.1892
KOREA .BUSAN 852 , STATION 205-03 . 34-05.5. N. 127-56.9. E. AUG. 5.1983. 09:00 KST. DEPTH 80 , COLOR 3. TRANS. 15.0.																	
WAVE , SWELL SW 1, WIND , BARO 1007.8. AIR TEMP. DRY 27.8. WET . CLOUD. TYPE . AMT , WEATHER ,																	
0	24.58	32.100	5.33							0	24.58	32.100	5.33	21.30	650	649	0.0000
10	19.57	32.340	5.53							10	19.57	32.340	5.53	22.86	500	500	0.0575
20	16.45	32.740	5.53							20	16.45	32.740	5.53	23.93	398	399	0.1024
30	14.56	33.200	5.68							30	14.56	33.200	5.68	24.70	325	325	0.1387
50	13.86	33.660	5.03							50	13.86	33.660	5.03	25.20	277	278	0.1991
75	12.50	34.210	4.53							75	12.50	34.210	4.53	25.89	211	212	0.2606
KOREA .BUSAN 852 , STATION 205-04 . 33-51.5. N. 128-03.0. E. AUG. 5.1983. 02:20 KST. DEPTH 88 , COLOR , TRANS.																	
WAVE , SWELL SW 1, WIND SW 1. BARO 1006. . AIR TEMP. DRY 27.0. WET . CLOUD. TYPE CI. AMT 01, WEATHER B ,																	
0	27.50	31.640	4.79							0	27.50	31.640	4.79	20.05	769	769	0.0000
10	27.18	31.750	4.93							10	27.18	31.750	4.93	20.24	752	752	0.0760
20	21.21	32.910	5.45							20	21.21	32.910	5.45	22.87	500	500	0.1387
30	19.47	33.430	5.53							30	19.47	33.430	5.53	23.72	418	419	0.1846
50	18.54	33.970	4.73							50	18.54	33.970	4.73	24.37	356	358	0.2624
75	13.86	34.420	4.13							75	13.86	34.420	4.13	25.78	222	223	0.3351

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .BUSAN 852 . STATION 205-05 , 33-37.3. N. 128-09.2. E. AUG. 5.1983, 10:30 KST. DEPTH 115 . COLOR . TRANS. .

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1008. . AIR TEMP. DRY 27.4. WET . CLOUD. TYPE CI, AMT 01, WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	28.30	31.730	4.82							0	28.30	31.730	4.82	19.86	788	787	0.0000
10	27.92	31.710	5.13							10	27.92	31.710	5.13	19.97	777	777	0.0782
20	24.39	32.080	5.23							20	24.39	32.080	5.23	21.34	646	646	0.1494
30	21.81	33.710	*****							30	21.81	33.710	5.06	23.31	457	458	0.2047
50	18.94	34.400	*****							50	18.94	34.400	4.73	24.59	335	336	0.2842
75	17.90	34.300	4.33							75	17.90	34.300	4.33	24.78	317	319	0.3662
100	15.89	34.400	4.15							100	15.89	34.400	4.15	25.33	265	268	0.4397
113	15.16	34.520	3.93														

10月(October)

KOREA .BUSAN 852 . STATION 205-01 . 34-22.3. N. 127-48.5. E. OCT.12.1983. 08:20 KST. DEPTH 54 ; COLOR 4. TRANS. 9.0.

WAVE NE 3. SWELL NE 2. WIND NE 4. BARO 1015. . AIR TEMP. DRY 21.0. WET . CLOUD. TYPE SC. AMT 08, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.23	31.440	5.00							0	22.23	31.440	5.00	21.47	633	632	0.0000
10	22.24	31.420	5.00							10	22.24	31.420	5.00	21.46	634	634	0.0633
20	22.12	31.440	5.00							20	22.12	31.440	5.00	21.50	630	630	0.1266
30	22.22	31.440	4.95							30	22.22	31.440	4.95	21.48	633	633	0.1898
50	22.20	32.000	4.90							50	22.20	32.000	4.90	21.91	591	593	0.3125

KOREA .BUSAN 852 . STATION 205-02 . 34-15.0. N. 127-52.1. E. OCT.12.1983. 07:15 KST. DEPTH 60 . COLOR . TRANS. .

WAVE NE 3. SWELL NE 2. WIND NE 4. BARO 1015. , AIR TEMP. DRY 21.2. WET . CLOUD. TYPE NS. AMT 09. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.56	31.830	4.98							0	22.56	31.830	4.98	21.68	613	613	0.0000
10	22.54	31.800	4.95							10	22.54	31.800	4.95	21.66	615	615	0.0614
20	22.62	31.810	5.00							20	22.62	31.810	5.00	21.64	616	617	0.1230

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	22.79	32.060	4.92							30	22.79	32.060	4.92	21.79	603	603	0.1841
50	22.60	32.100	4.81							50	22.60	32.100	4.81	21.87	595	596	0.3041

KOREA .BUSAN 852 . STATION 205-03 . 34-05.5. N. 127-56.9. E. OCT.12.1983. 06:00 KST. DEPTH 83 . COLOR . TRANS. .
WAVE NE 3, SWELL NE 3, WIND NE 4, BARO 1015. , AIR TEMP. DRY 21.1, WET , CLOUD. TYPE NS, AMT 08, WEATHER C ,

0	22.98	32.370	4.88							0	22.98	32.370	4.88 ,	21.97	586	585	0.0000
10	22.98	32.410	4.90							10	22.98	32.410	4.90	22.00	583	583	0.0584
20	22.95	32.470	4.90							20	22.95	32.470	4.90	22.05	578	578	0.1165
30	22.91	32.480	4.90							30	22.91	32.480	4.90	22.07	576	576	0.1742
50	19.52	32.920	4.76							50	19.52	32.920	4.76	23.32	456	458	0.2777
75	14.82	33.420	3.83							75	14.82	33.420	3.83	24.81	314	316	0.3745

KOREA .BUSAN 852 . STATION 205-04 , 33-51.5. N, 128-03.0. E, OCT.12.1983, 04:00 KST, DEPTH 75 , COLOR , TRANS. ,
WAVE NE 3, SWELL NE 3, WIND NE 5, BARO 1015. , AIR TEMP. DRY 21.2, WET , CLOUD. TYPE NS, AMT 05, WEATHER BC,

0	23.61	32.680	4.81							0	23.61	32.680	4.81	22.02	581	580	0.0000
10	23.59	32.670	4.90							10	23.59	32.670	4.90	22.02	581	581	0.0580
20	23.61	32.650	4.80							20	23.61	32.650	4.80	22.00	583	583	0.1163
30	23.60	32.640	4.80							30	23.60	32.640	4.80	21.99	583	584	0.1747
50	23.42	32.930	4.71							50	23.42	32.930	4.71	22.26	557	558	0.2890
72	16.19	33.420	*****														

KOREA .BUSAN 852 . STATION 205-05 . 33-37.3. N. 128-09.2. E. OCT.12.1983. 02:00 KST. DEPTH 115 . COLOR . TRANS. .
WAVE N 3. SWELL N 3. WIND N 5. BARO 1014.5. AIR TEMP. DRY 21.5. WET . CLOUD. TYPE SC. AMT 03. WEATHER BC.

0	25.30	33.840	4.84							0	25.30	33.840	4.84	22.39	545	545	0.0000
10	25.18	33.840	4.78							10	25.18	33.840	4.78	22.43	541	541	0.0543
20	25.20	33.860	4.62							20	25.20	33.860	4.62	22.44	541	541	0.1085

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	25.19	33.870	4.59							30	25.19	33.870	4.59	22.45	540	540	0.1626
50	25.20	33.880	4.62							50	25.20	33.880	4.62	22.45	539	540	0.2707
75	20.37	33.180	4.06							75	20.37	33.180	4.06	23.29	459	461	0.3960
100	17.31	34.630	3.42							100	17.31	34.630	3.42	25.17	280	282	0.4890
112	16.27	34.620	3.44														

12月(December)

KOREA ..BUSAN 852 , STATION 205-01 , 34-22.3. N, 127-48.5. E, DEC. 7.1983, 05:40 KST, DEPTH 55 , COLOR , TRANS. .

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1020. , AIR TEMP. DRY 8.8, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

0	12.16	33.250	5.77							0	12.16	33.250	5.77	25.22	275	275	0.0000
10	12.09	33.250	5.68							10	12.09	33.250	5.68	25.23	274	274	0.0275
20	12.09	33.260	5.58							20	12.09	33.260	5.58	25.24	273	274	0.0549
30	12.08	33.290	5.53							30	12.08	33.290	5.53	25.26	271	271	0.0822
50	12.10	33.680	5.38							50	12.10	33.680	5.38	25.56	243	244	0.1338

KOREA .BUSAN 852 , STATION 205-02 . 34-15.0. N, 127-52.1. E. DEC. 7.1983. 04:20 KST. DEPTH 60 , COLOR , TRANS. .

WAVE NW 2. SWELL NW 1, WIND NW 3, BARO 1020. , AIR TEMP. DRY 9.2, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

0	14.27	34.010	5.47							0	14.27	34.010	5.47	25.38	260	260	0.0000
10	14.27	34.010	5.59							10	14.27	34.010	5.59	25.38	260	260	0.0260
20	14.26	34.010	5.22							20	14.26	34.010	5.22	25.38	260	260	0.0520
30	14.25	34.000	5.29							30	14.25	34.000	5.29	25.38	260	261	0.0781
50	14.05	34.000	5.10							50	14.05	34.000	5.10	25.42	256	257	0.1299

KOREA .BUSAN 852 . STATION 205-03 . 34-05.5. N. 127-56.9. E. DEC. 7.1983. 03:00 KST. DEPTH 84 . COLOR . TRANS. .

WAVE NW 2. SWELL NW 1. WIND NW 3, BARO 1020. . AIR TEMP. DRY 8.9, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

0	14.95	34.110	5.42							0	14.95	34.110	5.42	25.31	266	266	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.92	34.120	5.39							10	14.92	34.120	5.39	25.33	265	265	0.0266
20	14.59	34.110	*****							20	14.59	34.110	5.23	25.39	259	259	0.0528
30	14.47	34.130	5.08							30	14.47	34.130	5.08	25.43	255	256	0.0786
50	14.39	34.090	5.08							50	14.39	34.090	5.08	25.42	256	257	0.1300
75	14.35	34.100	4.80							75	14.35	34.100	4.80	25.43	255	257	0.1944

KOREA .BUSAN 852 . STATION 205-04 . 33-51.5. N, 128-03.0. E, DEC. 7.1983, 01:20 KST, DEPTH 83 , COLOR . TRANS. ,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1020.5. AIR TEMP. DRY 9.8, WET . CLOUD. TYPE CC, AMT 06, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.68	33.970	5.18							0	14.68	33.970	5.18	25.26	271	271	0.0000
10	14.68	33.970	5.12							10	14.68	33.970	5.12	25.26	271	271	0.0271
20	14.66	33.970	5.10							20	14.66	33.970	5.10	25.27	271	271	0.0542
30	14.61	33.970	5.06							30	14.61	33.970	5.06	25.28	270	270	0.0813
50	14.51	33.940	5.08							50	14.51	33.940	5.08	25.28	270	271	0.1355
75	14.07	34.400	5.20							75	14.07	34.400	5.20	25.72	227	229	0.1981

KOREA .BUSAN 852 . STATION 205-05 . 33-37.3. N. 128-09.2. E. DEC. 6.1983. 23:40 KST. DEPTH 117 . COLOR . TRANS. .

WAVE NW 1. SWELL NW 1. WIND NW 3. BARO 1020.5. AIR TEMP. DRY 10.8. WET . CLOUD. TYPE CC. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.70	34.120	5.29							0	19.70	34.120	5.29	24.18	374	373	0.0000
10	19.70	34.180	5.20							10	19.70	34.180	5.20	24.23	369	369	0.0371
20	19.72	34.610	5.29							20	19.72	34.610	5.29	24.55	339	339	0.0726
30	19.70	34.620	5.29							30	19.70	34.620	5.29	24.57	337	338	0.1065
50	19.60	34.630	5.20							50	19.60	34.630	5.20	24.60	334	335	0.1740
75	19.15	******	5.10							75	19.15	34.635	5.10	24.72	323	325	0.2566
100	16.38	34.640	4.92							100	16.38	34.640	4.92	25.40	258	261	0.3300
114	15.86	34.690	5.00														

204線 海洋観測 成績

Oceanographic Data. Line 204

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 月(February)

KOREA .BUSAN 852 . STATION 204-01 , 34-20.8. N, 127-43.9. E, FEB. 4.1983, 06:50 KST, DEPTH 38 , COLOR , TRANS. ,
WAVE N 3. SWELL N 1. WIND NW 3. BARO 1017. , AIR TEMP. DRY 4.6, WET , CLOUD. TYPE AC, AMT 06, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.82	34.200	6.31							0	10.82	34.200	6.31	26.20	162	162	0.0000
10	10.68	34.210	6.24							10	10.68	34.210	6.24	26.23	179	179	0.0180
20	10.69	34.210	6.24							20	10.69	34.210	6.24	26.23	179	179	0.0360
30	10.72	34.210	6.39							30	10.72	34.210	6.39	26.23	180	180	0.0540

KOREA .BUSAN 852 . STATION 204-02 . 34-13.7. N. 127-35.4. E. FEB. 4.1983. 08:10 KST. DEPTH 30 . COLOR 6. TRANS. 1.5.
WAVE N 2. SWELL N 1. WIND NW 3. BARO 1017.8. AIR TEMP. DRY 4.8. WET . CLOUD. TYPE AC. AMT 06, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	9.20	33.990	6.44							0	9.20	33.990	6.44	26.31	171	171	0.0000
10	9.29	33.980	6.51							10	9.29	33.980	6.51	26.29	173	173	0.0172
20	9.27	33.980	6.63							20	9.27	33.980	6.63	26.29	173	173	0.0346
25	9.30	34.010	6.55														

KOREA .BUSAN 852 . STATION 204-03 . 34-06.7. N, 127-26.8. E, FEB. 4.1983, 09:30 KST, DEPTH 43 , COLOR , TRANS. ,
WAVE N 2. SWELL N 1. WIND NW 3. BARO 1018.5, AIR TEMP. DRY 5.7, WET , CLOUD. TYPE AC, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.53	33.880	6.24							0	10.53	33.880	6.24	26.00	201	200	0.0000
10	10.41	33.900	6.53							10	10.41	33.900	6.53	26.04	197	197	0.0199
20	10.39	33.880	6.24							20	10.39	33.880	6.24	26.03	198	199	0.0397
30	10.41	33.900	6.32							30	10.41	33.900	6.32	26.04	197	196	0.0596
40	10.41	33.900	6.01														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 204-04 . 33-54.1. N. 127-15.2. E. FEB. 5.1983. 09:50 KST. DEPTH 83 . COLOR 4, TRANS. 13.0,																	
WAVE NW 2. SWELL NW 2. WIND NW 3. BARO 1017.5. AIR TEMP. DRY 8.8. WET . CLOUD. TYPE AC. AMT 10. WEATHER C .																	
0	16.13	34.540	6.05							0	16.13	34.540	6.05	25.38	260	260	0.0000
10	16.10	34.530	6.25							10	16.10	34.530	6.25	25.38	260	260	0.0260
20	16.14	34.570	5.90							20	16.14	34.570	5.90	25.40	258	258	0.0520
30	16.09	34.560	5.81							30	16.09	34.560	5.81	25.40	258	258	0.0778
50	16.13	34.550	5.70							50	16.13	34.550	5.70	25.39	259	260	0.1298
75	16.17	34.590	5.59							75	16.17	34.590	5.59	25.41	257	259	0.1949
80	16.62	******	*****														
KOREA .BUSAN 852 . STATION 204-05 . 33-45.5. N. 127-09.2. E. FEB. 5.1983. 11:15 KST. DEPTH 96 . COLOR 4, TRANS. 13.0,																	
WAVE NW 2, SWELL NW 2, WIND N 2. BARO 1017.5. AIR TEMP. DRY 9.9, WET , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	15.84	34.530	5.85							0	15.84	34.530	5.85	25.44	254	254	0.0000
10	15.83	******	5.83							10	15.83	34.525	5.83	25.43	255	255	0.0254
20	15.81	34.520	5.62							20	15.81	34.520	5.62	25.44	255	255	0.0510
30	15.84	34.510	5.84							30	15.84	34.510	5.84	25.42	256	256	0.0766
50	15.82	34.520	5.50							50	15.82	34.520	5.50	25.43	255	256	0.1279
75	15.83	34.530	5.37							75	15.83	34.530	5.37	25.44	254	256	0.1920
90	15.79	34.510	5.35														
KOREA .BUSAN 852 . STATION 204-06 . 33-35.6. N. 127-03.2. E. FEB. 5.1983. 12:40 KST, DEPTH 125 . COLOR 4, TRANS. 12.0,																	
WAVE NW 3. SWELL N 2. WIND NW 3. BARO 1017. . AIR TEMP. DRY 10.4. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .																	
0	15.86	34.560	5.85							0	15.86	34.560	5.85	25.45	253	252	0.0000
10	15.82	34.530	5.80							10	15.82	34.530	5.80	25.44	254	254	0.0253
20	15.65	34.530	5.74							20	15.65	34.530	5.74	25.48	250	251	0.0506

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	15.56	34.530	5.76							30	15.56	34.530	5.76	25.50	248	249	0.0756
50	15.50	34.520	5.59							50	15.50	34.520	5.59	25.51	248	249	0.1255
75	15.41	34.520	5.35							75	15.41	34.520	5.35	25.53	246	248	0.1878
100	15.22	34.520	5.50							100	15.22	34.520	5.50	25.57	242	245	0.2495
120	14.94	34.530	5.45														

4月(April)

KOREA .BUSAN 852 , STATION 204-01 , 34-20.8. N. 127-43.9. E. APR. 9.1983. 12:45 KST. DEPTH 38 , COLOR 5, TRANS. 7.0.
WAVE NE 3, SWELL NE 3, WIND NE 4, BARO 1011. , AIR TEMP. DRY 12.9, WET , CLOUD. TYPE NS. AMT 10. WEATHER R .

0	12.11	34.180	6.55							0	12.11	34.180	6.55	25.95	206	206	0.0000
10	12.20	34.180	6.50							10	12.20	34.180	6.50	25.93	208	208	0.0207
20	12.09	34.190	6.50							.20	12.09	34.190	6.50	25.96	205	205	0.0414
30	11.95	34.260	6.30							30	11.95	34.260	6.30	26.04	197	198	0.0615

KOREA .BUSAN 852 . STATION 204-02 . 34-13.7. N. 127-35.4. E. APR. 9.1983. 14:00 KST. DEPTH 28 . COLOR 5. TRANS. 7.0.
WAVE NE 3. SWELL NE 3. WIND NE 4. BARO 1010. . AIR TEMP. DRY 12.8, WET , CLOUD. TYPE NS. AMT 10, WEATHER R .

0	12.06	34.070	6.65							0	12.06	34.070	6.65	25.87	213	213	0.0000
10	12.00	34.060	6.50							10	12.00	34.060	6.50	25.87	213	213	0.0213
20	11.97	34.060	6.60							20	11.97	34.060	6.60	25.88	212	212	0.0426
25	11.61	34.050	6.40														

KOREA .BUSAN 852 , STATION 204-03 , 34-06.7. N, 127-26.8. E, APR. 9.1983, 15:30 KST, DEPTH 43 , COLOR 5, TRANS. 10.0.
WAVE NE 4, SWELL NE 3, WIND NE 4, BARO 1015.7, AIR TEMP. DRY 13.2, WET , CLOUD. TYPE NS, AMT 10, WEATHER R .

0	12.10	33.960	6.40							0	12.10	33.960	6.40	25.78	222	222	0.0000
10	12.08	33.990	6.40							10	12.08	33.990	6.40	25.80	219	219	0.0221

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	12.19	33.980	6.40							20	12.19	33.980	6.40	25.78	222	222	0.0442
30	12.39	33.970	6.40							30	12.39	33.970	6.40	25.73	227	227	0.0667
40	12.10	34.020	6.40														
KOREA .BUSAN 852 . STATION 204-04 , 33-54.1. N, 127-15.2. E, APR.10.1983, 11:20 KST, DEPTH 82 , COLOR 5, TRANS. 9.0,																	
WAVE W 1, SWELL W 3, WIND W 1. BARO 1002.7. AIR TEMP. DRY 16.8. WET , CLOUD. TYPE AS, AMT 10, WEATHER C .																	
0	14.81	34.350	6.30							0	14.81	34.350	6.30	25.53	246	246	0.0000
10	14.64	34.400	6.10							10	14.64	34.400	6.10	25.60	239	239	0.0242
20	14.83	34.390	6.00							20	14.83	34.390	6.00	25.55	243	244	0.0484
30	14.18	34.370	6.15							30	14.18	34.370	6.15	25.68	232	232	0.0722
50	13.50	34.390	6.10							50	13.50	34.390	6.10	25.83	217	218	0.1173
75	13.44	34.360	6.00							75	13.44	34.360	6.00	25.82	218	219	0.1721
KOREA .BUSAN 852 . STATION 204-05 . 33-45.5. N. 127-09.2. E. APR.10.1983. 12:40 KST. DEPTH 85 , COLOR 5, TRANS. 10.0,																	
WAVE W 1. SWELL W 2, WIND W 1. BARO 1003.1. AIR TEMP. DRY 16.8, WET . CLOUD. TYPE AS, AMT 10. WEATHER C .																	
0	15.34	34.400	6.25							0	15.34	34.400	6.25	25.45	253	253	0.0000
10	15.15	34.480	6.10							10	15.15	34.480	6.10	25.55	243	243	0.0248
20	15.15	34.510	6.20							20	15.15	34.510	6.20	25.58	241	242	0.0491
30	15.15	34.530	6.10							30	15.15	34.530	6.10	25.59	240	240	0.0733
50	15.13	34.510	6.00							50	15.13	34.510	6.00	25.58	241	242	0.1216
75	14.82	34.550	5.80							75	14.82	34.550	5.80	25.68	231	233	0.1811
80	14.80	******	5.60														
KOREA .BUSAN 852 . STATION 204-06 . 33-35.8. N. 127-03.2. E. APR.10.1983. 14:30 KST. DEPTH 120 . COLOR 5, TRANS. 10.0,																	
WAVE W 1. SWELL W 2. WIND W 1, BARO 1002.5. AIR TEMP. DRY 16.8. WET . CLOUD. TYPE AS. AMT 09. WEATHER C ,																	
0	15.50	34.470	6.00							0	15.50	34.470	6.00	25.47	252	251	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	15.25	34.450	5.92							10	15.25	34.450	5.92	25.51	246	248	0.0250
20	15.20	34.490	5.85							20	15.20	34.490	5.85	25.55	244	244	0.0496
30	15.19	34.490	5.75							30	15.19	34.490	5.75	25.55	244	244	0.0740
50	15.07	34.490	5.80							50	15.07	34.490	5.80	25.58	241	242	0.1228
75	14.79	34.520	5.70							75	14.79	34.520	5.70	25.66	233	235	0.1625
100	14.75	34.500	5.60							100	14.75	34.500	5.60	25.65	234	236	0.2415
115	14.74	34.530	5.50														

6月(June)

KOREA .BUSAN 852 . STATION 204-01 . 34-20.8. N. 127-43.9. E. JUN. 9.1983. 05:55 KST. DEPTH 38 . COLOR . TRANS. .

WAVE SW 2. SWELL SW 1. WIND SW 2. BARO 1006. . AIR TEMP. DRY 18.2. WET . CLOUD. TYPE CI. AMT 05. WEATHER BC,

0	17.94	33.710	6.07							0	17.94	33.710	6.07	24.31	361	361	0.0000
10	17.68	33.780	5.97							10	17.68	33.780	5.97	24.43	350	350	0.0356
20	16.88	33.830	5.77							20	16.88	33.830	5.77	24.66	328	329	0.0695
30	15.92	33.850	5.67							30	15.92	33.850	5.67	24.90	306	306	0.1013

KOREA .BUSAN 852 . STATION 204-02 . 34-13.7. N. 127-35.4. E. JUN. 9.1983. 07:10 KST. DEPTH 30 . COLOR 4. TRANS. 14.0,

WAVE SW 2. SWELL SW 1, WIND SSW 2. BARO 1008.5. AIR TEMP. DRY 19.0. WET . CLOUD. TYPE CI. AMT 05. WEATHER BC.

0	18.51	33.670	5.82							0	18.51	33.670	5.82	24.14	378	377	0.0000
10	17.48	33.690	5.77							10	17.48	33.690	5.77	24.41	352	352	0.0365
20	16.99	33.720	5.72							20	16.99	33.720	5.72	24.55	339	339	0.0711
28	15.14	33.760	5.67														

KOREA .BUSAN 852 . STATION 204-03 . 34-06.7. N. 127-26.8. E. JUN. 9.1983. 08:25 KST, DEPTH 45 . COLOR 4, TRANS. 11.0.

WAVE SW 1. SWELL SW 1. WIND SSW 1. BARO 1009. . AIR TEMP. DRY 19.5. WET . CLOUD. TYPE CI. AMT 05. WEATHER BC.

0	18.15	33.680	5.67							0	18.15	33.680	5.67	24.24	368	368	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	17.69	33.660	5.67							10	17.69	33.660	5.67	24.34	359	359	0.0364
20	15.94	33.630	5.77							20	15.94	33.630	5.77	24.72	322	323	0.0705
30	15.37	33.660	5.72							30	15.37	33.660	5.72	24.87	308	309	0.1021
40	14.20	33.730	5.67														

KOREA .BUSAN 852 . STATION 204-04 . 33-54.1. N. 127-15.2. E. JUN.10.1983. 10:10 KST. DEPTH 75 . COLOR 3, TRANS. 13.0.

WAVE SW 1, SWELL SW 1, WIND W 1, BARO 1008. , AIR TEMP. DRY 19.2, WET . CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	16.89	32.830	5.77							0	18.89	32.830	5.77	23.41	448	447	0.0000
10	17.97	32.890	5.72							10	17.97	32.890	5.72	23.68	422	422	0.0434
20	17.49	33.700	5.67							20	17.49	33.700	5.67	24.42	352	352	0.0822
30	17.47	34.100	5.62							30	17.47	34.100	5.62	24.73	322	323	0.1159
50	14.91	34.220	5.57							50	14.91	34.220	5.57	25.40	257	259	0.1742
72	14.87	34.400	5.12														

KOREA .BUSAN 852 . STATION 204-05 . 33-45.5. N, 127-09.2. E. JUN.10.1983. 11:25 KST. DEPTH 90 . COLOR 3. TRANS. 14.0.

WAVE SW 2, SWELL SW 1, WIND WSW 2, BARO 1008. , AIR TEMP. DRY 19.4, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	19.03	33.080	5.67							0	19.03	33.080	5.67	23.56	433	433	0.0000
10	18.19	33.850	5.47							10	18.19	33.850	5.47	24.36	357	357	0.0395
20	17.29	******	5.47							20	17.29	34.020	5.47	24.71	324	324	0.0736
30	16.42	34.190	5.37							30	16.42	34.190	5.37	25.04	292	292	0.1044
50	16.06	34.270	5.27							50	16.06	34.270	5.27	25.19	278	279	0.1617
75	15.22	34.510	5.22							75	15.22	34.510	5.22	25.56	243	245	0.2273
85	14.96	34.520	4.83														

KOREA .BUSAN 852 , STATION 204-06 , 33-35.8. N, 127-03.2. E, JUN.10.1983, 12:40 KST, DEPTH 128 , COLOR 2, TRANS. 15.0,

WAVE SW 2, SWELL SW 1, WIND W 3, BARO 1008. , AIR TEMP. DRY 20.1, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	20.40	******	5.82							0	20.40	******	5.82	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	20.10	33.690	5.72							10	20.10	33.690	5.72	23.75	415	415	******
20	18.29	33.940	5.62							20	18.29	33.940	5.62	24.40	353	353	******
30	17.11	34.170	5.47							30	17.11	34.170	5.47	24.87	309	309	******
50	16.51	34.350	5.37							50	16.51	34.350	5.37	25.14	282	283	******
75	15.93	34.360	5.07							75	15.93	34.360	5.07	25.29	269	271	******
100	14.99	34.440	4.97							100	14.99	34.440	4.97	25.56	243	246	******
125	14.55	34.520	4.78							125	14.55	34.520	4.78	25.71	228	231	******

8月(August)

KOREA .BUSAN 852 . STATION 204-01 . 34-20.8. N. 127-43.9. E. AUG. 6.1983. 13:10 KST. DEPTH 37 . COLOR 5. TRANS. 9.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1009. . AIR TEMP. DRY 27.0. WET . CLOUD. TYPE CI. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.21	32.650	*****							0	26.21	32.650	*****	21.22	657	657	0.0000
10	22.58	32.750	*****							10	22.58	32.750	2.61	22.37	547	547	0.0602
20	16.90	33.370	5.23							20	16.90	33.370	5.23	24.30	362	363	0.1058
30	14.63	33.540	4.93							30	14.63	33.540	4.93	24.94	302	302	0.1391

KOREA .BUSAN 852 . STATION 204-02 . 34-13.7. N. 127-35.4. E. AUG. 6.1983. 14:30 KST. DEPTH 30 , COLOR 5. TRANS. 9.0.

WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1009. . AIR TEMP. DRY 27.5. WET . CLOUD. TYPE CI. AMT 05. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	24.50	32.680	5.58							0	24.50	32.680	5.58	21.76	606	605	0.0000
10	22.37	32.770	5.53							10	22.37	32.770	5.53	22.44	540	540	0.0573
20	17.91	32.980	5.41							20	17.91	32.980	5.41	23.76	414	414	0.1050
28	13.28	33.290	5.27														

KOREA .BUSAN 852 . STATION 204-03 . 34-06.7. N. 127-26.8. E. AUG. 6.1983. 16:05 KST. DEPTH 45 , COLOR 3. TRANS. 11.0.

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1008.5. AIR TEMP. DRY 27.2. WET , CLOUD. TYPE CI. AMT 05. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.92	32.140	5.53							0	22.92	32.140	5.53	21.81	601	600	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	18.80	32.770	5.33							10	18.80	32.770	5.33	23.39	450	450	0.0525
20	16.14	33.030	*****							20	16.14	33.030	5.18	24.22	370	371	0.0936
30	14.24	33.700	5.03							30	14.24	33.700	5.03	25.15	282	282	0.1263
43	14.27	33.820	5.03														
KOREA .BUSAN 852 , STATION 204-04 , 33-54.1. N, 127-15.2. E, AUG. 7.1983, 10:40 KST, DEPTH ,75 , COLOR 3, TRANS. 16.0, WAVE E 1, SWELL E 1, WIND E 1, BARO 1009.8, AIR TEMP. DRY 27.8, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	28.63	30.730	5.33							0	28.63	30.730	5.33	19.00	870	870	0.0000
10	24.81	31.120	5.37							10	24.81	31.120	5.37	20.49	727	727	0.0798
20	20.47	32.160	5.63							20	20.47	32.160	5.63	22.49	535	535	0.1430
30	17.76	33.860	5.03							30	17.76	33.860	5.03	24.47	346	347	0.1872
50	16.00	33.920	4.89							50	16.00	33.920	4.89	24.93	302	304	0.2523
73	15.14	34.000	4.73														
KOREA .BUSAN 852 , STATION 204-05 . 33-45.5. N, 127-09.2. E, AUG. 7.1983, 11:40 KST, DEPTH 95 , COLOR 3, TRANS. 17.0, WAVE E 1, SWELL E 1, WIND E 1, BARO 1009.7, AIR TEMP. DRY 30.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	28.82	30.770	5.24							0	28.82	30.770	5.24	18.97	873	873	0.0000
10	27.37	31.580	5.30							10	27.37	31.580	5.30	20.05	770	770	0.0821
20	23.29	32.160	5.43							20	23.29	32.160	5.43	21.72	609	610	0.1511
30	21.94	33.900	5.43							30	21.94	33.900	5.43	23.42	447	448	0.2040
50	17.25	34.050	5.23							50	17.25	34.050	5.23	24.74	321	322	0.2811
75	15.41	34.180	4.58							75	15.41	34.180	4.58	25.26	271	273	0.3555
KOREA .BUSAN 852 , STATION 204-06 , 33-35.8. N, 127-03.2. E, AUG. 7.1983, 13:00 KST, DEPTH 128 , COLOR 3, TRANS. 16.0, WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1009.7, AIR TEMP. DRY 32.4, WET , CLOUD. TYPE CS, AMT 07, WEATHER BC,																	
0	28.20	31.580	4.93							0	28.20	31.580	4.93	19.76	795	795	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	24.58	31.960	4.99							10	24.58	31.960	4.99	21.19	660	660	0.0727
20	21.08	32.510	5.53							20	21.08	32.510	5.53	22.60	525	526	0.1321
30	18.81	33.470	5.33							30	18.81	33.470	5.33	23.92	399	400	0.1784
50	18.83	33.930	5.30							50	18.83	33.930	5.30	24.26	366	367	0.2552
75	16.04	33.930	4.90							75	16.04	33.930	4.90	24.93	303	304	0.3393
100	15.61	34.190	4.38							100	15.61	34.190	4.38	25.23	274	277	0.4121
125	14.92	34.390	3.94							125	14.92	34.390	3.94	25.53	245	248	0.4779

10月(October)

KOREA .BUSAN 852 . STATION 204-01 . 34-20.8. N. 127-43.9. E. OCT.12.1983. 09:05 KST. DEPTH 38 , COLOR 5, TRANS. 5.0.
WAVE NE 2. SWELL NE 2. WIND NE 3. BARO 1016. , AIR TEMP. DRY 22.7. WET . CLOUD. TYPE SC, AMT 07. WEATHER BC.

0	22.14	31.360	4.90							0	22.14	31.360	4.90	21.44	636	636	0.0000
10	22.14	31.360	4.90							10	22.14	31.360	4.90	21.44	636	636	0.0636
20	22.13	31.350	4.88							20	22.13	31.350	4.88	21.43	637	637	0.1273
30	22.12	31.370	4.90							30	22.12	31.370	4.90	21.45	635	636	0.1910

KOREA .BUSAN 852 . STATION 204-02 . 34-13.7. N. 127-35.4. E. OCT.12.1983. 10:15 KST. DEPTH 30 . COLOR 4. TRANS. 8.0.
WAVE NE 3. SWELL NE 3. WIND NE 4. BARO 1016. . AIR TEMP. DRY 21.8. WET . CLOUD. TYPE NS. AMT 09. WEATHER C .

0	22.01	31.250	4.90							0	22.01	31.250	4.90	21.39	641	640	0.0000
10	22.00	31.240	4.81							10	22.00	31.240	4.81	21.39	641	641	0.0641
20	21.99	31.240	4.81							20	21.99	31.240	4.81	21.39	641	641	0.1282
27	21.98	31.260	4.79														

KOREA .BUSAN 852 . STATION 204-03 . 34-06.7. N. 127-26.8. E. OCT.12.1983. 11:30 KST. DEPTH 43 . COLOR 4. TRANS. 9.0.
WAVE NE 3. SWELL NE 2. WIND NE 4. BARO 1015. . AIR TEMP. DRY 21.2. WET . CLOUD. TYPE NS. AMT 09. WEATHER C .

0	22.40	31.850	4.90							0	22.40	31.850	4.90	21.74	608	607	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	22.36	31.840	4.90							10	22.36	31.840	4.90	21.74	607	607	0.0607
20	22.37	31.830	4.89							20	22.37	31.830	4.89	21.73	608	609	0.1216
30	22.38	31.860	4.92							30	22.38	31.860	4.92	21.75	606	607	0.1824
40	21.65	32.420	4.62														

KOREA .BUSAN 852 . STATION 204-04 , 33-54.1. N, 127-15.2. E, OCT.14.1983, 09:15 KST, DEPTH 80 , COLOR 4, TRANS. 14.0.
WAVE NE 3, SWELL NE 1. WIND NE 3. BARO 1017. . AIR TEMP. DRY 19.5. WET , CLOUD. TYPE AS, AMT 08. WEATHER C ,

0	22.56	32.960	4.81							0	22.56	32.960	4.81	22.53	532	531	0.0000
10	22.56	32.970	4.85							10	22.56	32.970	4.85	22.54	531	531	0.0531
20	22.68	33.030	4.79							20	22.68	33.030	4.79	22.55	530	530	0.1062
30	22.68	33.360	4.81							30	22.68	33.360	4.81	22.80	506	507	0.1581
50	19.78	33.550	4.40							50	19.78	33.550	4.40	23.73	417	418	0.2507
75	14.34	33.640	4.13							75	14.34	33.640	4.13	25.08	288	290	0.3393

KOREA .BUSAN 852 . STATION 204-05 . 33-45.5. N. 127-09.2. E, OCT.14.1983, 10:40 KST. DEPTH 92 . COLOR 4. TRANS. 15.0,
WAVE NE 2, SWELL NE 1. WIND NE 3. BARO 1017.2, AIR TEMP. DRY 20.6, WET , CLOUD. TYPE AS. AMT 08. WEATHER C .

0	23.30	33.210	4.81							0	23.30	33.210	4.81	22.51	534	533	0.0000
10	23.28	33.190	4.81							10	23.28	33.190	4.81	22.50	535	535	0.0534
20	23.18	33.270	4.71							20	23.18	33.270	4.71	22.59	526	526	0.1065
30	21.16	33.350	4.68							30	21.16	33.350	4.68	23.21	466	467	0.1562
50	19.78	33.590	4.61							50	19.78	33.590	4.61	23.76	414	415	0.2446
75	17.31	33.630	4.38							75	17.31	33.630	4.38	24.41	353	354	0.3409
89	16.13	33.990	3.85														

KOREA .BUSAN 852 . STATION 204-06 . 33-35.8. N. 127-03.2. E. OCT.14.1983. 12:05 KST. DEPTH 125 . COLOR 4. TRANS. 17.0,
WAVE NE 2. SWELL NE 1. WIND NE 3. BARO 1017.2. AIR TEMP. DRY 21.2. WET . CLOUD. TYPE AS. AMT 08. WEATHER C .

0	24.00	33.640	4.66							0	24.00	33.640	4.66	22.63	522	522	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	24.03	33.650	4.77							10	24.03	33.650	4.77	22.63	522	522	0.0522
20	24.01	33.650	4.68							20	24.01	33.650	4.68	22.63	522	522	0.1045
30	23.98	33.620	4.71							30	23.98	33.620	4.71	22.62	523	524	0.1568
50	23.88	33.650	4.63							50	23.88	33.650	4.63	22.67	518	519	0.2612
75	20.10	33.720	4.07							75	20.10	33.720	4.07	23.76	413	415	0.3781
100	18.44	34.000	3.37							100	18.44	34.000	3.37	24.41	352	355	0.4743
122	17.15	34.250	3.44														

12月(December)

KOREA .BUSAN 852 . STATION 204-01 . 34-20.8. N. 127-43.9. E. DEC. 7.1983. 06:35 KST. DEPTH 38 . COLOR . TRANS. .

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1020. , AIR TEMP. DRY 7.8, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

0	11.36	33.190	5.68							0	11.36	33.190	5.68	25.32	266	265	0.0000
10	11.99	33.180	5.68							10	11.99	33.180	5.68	25.19	277	277	0.0271
20	11.99	33.180	5.51							20	11.99	33.180	5.51	25.19	277	278	0.0549
30	11.99	33.190	5.77							30	11.99	33.190	5.77	25.20	277	277	0.0827

KOREA .BUSAN 852 . STATION 204-02 . 34-13.7. N. 127-35.4. E. DEC. 7.1983. 07:40 KST. DEPTH 30 . COLOR 7, TRANS. 4.0.

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1020. . AIR TEMP. DRY 8.1, WET , CLOUD. TYPE CU, AMT 07, WEATHER BC,

0	11.10	33.160	5.63							0	11.10	33.160	5.63	25.34	263	263	0.0000
10	11.12	33.160	5.68							10	11.12	33.160	5.68	25.34	264	264	0.0263
20	11.10	33.170	5.67							20	11.10	33.170	5.67	25.35	263	263	0.0527
27	11.10	33.170	5.58														

KOREA .BUSAN 852 . STATION 204-03 . 34-06.7. N. 127-26.8. E. DEC. 7.1983. 08:45 KST. DEPTH 45 . COLOR 6, TRANS. 4.0.

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1020.5, AIR TEMP. DRY 9.2, WET , CLOUD. TYPE AC, AMT 08, WEATHER C ,

0	12.83	33.510	5.67							0	12.83	33.510	5.67	25.29	269	268	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	12.83	33.520	5.59							10	12.83	33.520	5.59	25.30	268	268	0.0268
20	12.86	33.530	5.59							20	12.86	33.530	5.59	25.30	268	268	0.0536
30	12.85	33.530	5.64							30	12.85	33.530	5.64	25.30	267	268	0.0805
40	12.84	33.530	5.59														
KOREA .BUSAN 852 . STATION 204-04 , 33-54.1. N, 127-15.2. E. DEC. 8.1983, 09:40 KST, DEPTH 76 ., COLOR 4, TRANS. 10.0,																	
WAVE W 2, SWELL W 2. WIND W 3. BARO 1023.2. AIR TEMP. DRY 9.8, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC,																	
0	17.84	33.840	5.48							0	17.84	33.840	5.48	24.44	349	349	0.0000
10	17.85	33.970	5.20							10	17.85	33.970	5.20	24.54	340	340	0.0345
20	17.86	34.220	5.10							20	17.86	34.220	5.10	24.72	322	323	0.0677
30	16.01	34.350	5.20							30	16.01	34.350	5.20	25.26	271	272	0.0974
50	15.36	34.380	4.92							50	15.36	34.380	4.92	25.43	255	256	0.1503
73	15.38	34.390	4.97														
KOREA .BUSAN 852 . STATION 204-05 . 33-45.5. N. 127-09.2. E. DEC. 8.1983. 10:50 KST, DEPTH 90 . COLOR 3. TRANS. 13.0,																	
WAVE W 2, SWELL W 2. WIND W 3. BARO 1023. . AIR TEMP. DRY 10.5, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC,																	
0	18.30	34.350	5.20							0	18.30	34.350	5.20	24.72	323	323	0.0000
10	18.26	34.390	5.20							10	18.26	34.390	5.20	24.76	319-	319	0.0321
20	18.29	34.400	5.18							20	18.29	34.400	5.18	24.76	319	320	0.0641
30	18.24	34.340	5.20							30	18.24	34.340	5.20	24.72	322	323	0.0963
50	15.51	34.430	5.02							50	15.51	34.430	5.02	25.43	255	256	0.1543
75	15.51	34.450	5.03							75	15.51	34.450	5.03	25.45	253	255	0.2183
87	15.48	34.530	5.03														
KOREA .BUSAN 852 . STATION 204-06 , 33-35.8. N, 127-03.2. E. DEC. 8.1983. 12:00 KST. DEPTH 128 ., COLOR 3, TRANS. 13.0,																	
WAVE NW 2, SWELL NW 2, WIND NW 3, BARO 1023. , AIR TEMP. DRY 11.2, WET , CLOUD. TYPE AC, AMT 04, WEATHER BC,																	
0	15.40	33.730	5.15							0	15.40	33.730	5.15	24.92	304	303	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	15.36	33.720	5.29							10	15.36	33.720	5.29	24.92	303	303	0.0303
20	15.39	33.750	*****							20	15.39	33.750	5.17	24.94	302	302	0.0607
30	15.38	33.730	5.05							30	15.38	33.730	5.05	24.93	303	304	0.0910
50	15.40	33.730	5.10							50	15.40	33.730	5.10	24.92	304	305	0.1519
75	15.73	33.850	5.15							75	15.73	33.850	5.15	24.94	302	304	0.2281
100	15.53	33.900	4.90							100	15.53	33.900	4.90	25.02	294	296	0.3032
125	14.67	34.520	4.73							125	14.67	34.520	4.73	25.69	231	234	0.3696

203線 海洋觀測 成績

Oceanographic Data. Line 203

2 月(February)

KOREA .BUSAN 852 , STATION 203-01 , 33-56.6. N, 126-31.4. E. FEB.11.1983, 13:15 KST. DEPTH 55 , COLOR 5, TRANS. 9.0,

WAVE N 2, SWELL N 2, WIND N 3, BARO 1019.6, AIR TEMP. DRY 14.6, WET , CLOUD. TYPE AS, AMT 10, WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.83	34.430	6.14							0	13.83	34.430	6.14	25.80	220	220	0.0000
10	13.70	34.440	6.02							10	13.70	34.440	6.02	25.83	217	217	0.0218
20	12.91	34.330	6.04							20	12.91	34.330	6.04	25.91	210	210	0.0432
30	12.63	34.270	6.24							30	12.63	34.270	6.24	25.92	209	209	0.0643
50	12.38	34.210	6.14							50	12.38	34.210	6.14	25.92	209	210	0.1063

KOREA .BUSAN 852 , STATION 203-02 , 33-47.5. N, 126-26.3. E. FEB.11.1983. 11:50 KST. DEPTH 95 , COLOR 5, TRANS. 9.0,

WAVE N 2, SWELL N 2, WIND N 3, BARO 1020.5. AIR TEMP. DRY 5.8. WET , CLOUD. TYPE AS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.26	34.460	6.00							0	14.26	34.460	6.00	25.73	227	226	0.0000
10	14.27	34.470	5.94							10	14.27	34.470	5.94	25.73	226	226	0.0226
20	14.26	34.490	6.08							20	14.26	34.490	6.08	25.75	224	225	0.0452
30	14.26	34.470	6.05							30	14.26	34.470	6.05	25.74	226	226	0.0676
50	14.26	34.470	5.95							50	14.26	34.470	5.95	25.74	226	227	0.1133
75	14.29	34.470	6.00							75	14.29	34.470	6.00	25.73	227	228	0.1703
90	14.26	34.480	5.94														

KOREA .BUSAN 852 . STATION 203-03 . 33-38.3. N. 126-21.3. E, FEB.11.1983. 10:35 KST. DEPTH 130 . COLOR 5, TRANS. 6.0.

WAVE W 2, SWELL SW 1, WIND W 2, BARO 1020.5, AIR TEMP. DRY 7.6, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.50	34.190	6.19							0	12.50	34.190	6.19	25.88	212	212	0.0000
10	12.58	34.150	6.14							10	12.58	34.150	6.14	25.83	217	217	0.0214

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	12.59	34.150	6.15							20	12.59	34.150	6.15	25.83	217	217	0.0432
30	12.60	34.150	6.12							30	12.60	34.150	6.12	25.83	217	218	0.0650
50	12.62	34.160	6.15							50	12.62	34.160	6.15	25.83	217	218	0.1086
75	12.66	34.180	6.12							75	12.66	34.180	6.12	25.84	216	218	0.1632
100	12.69	34.190	5.94							100	12.69	34.190	5.94	25.84	216	218	0.2178
125	12.73	34.220	6.04							125	12.73	34.220	6.04	25.86	215	217	0.2724

4 月(April)

KOREA ,BUSAN 852 , STATION 203-01 . 33-56.6. N, 126-31.4. E, APR.15.1983, 12:55 KST. DEPTH 57 , COLOR 3, TRANS. 11.0,
WAVE NW 2, SWELL NW 1, WIND NW 3. BARO 1010. , AIR TEMP. DRY 11.2, WET , CLOUD. TYPE NS, AMT 10, WEATHER C .

0	13.15	34.140	5.50							0	13.15	34.140	5.50	25.71	228	228	0.0000
10	13.15	34.130	5.65							10	13.15	34.130	5.65	25.70	229	229	0.0229
20	13.22	34.150	5.55							20	13.22	34.150	5.55	25.71	229	229	0.0458
30	13.42	34.250	5.45							30	13.42	34.250	5.45	25.74	225	226	0.0686
50	13.42	34.260	5.40							50	13.42	34.260	5.40	25.75	225	226	0.1139

KOREA ,BUSAN 852 , STATION 203-02 , 33-47.5. N, 126-26.3. E, APR.15.1983, 11:40 KST, DEPTH 95 . COLOR 3. TRANS. 10.0,
WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1010. , AIR TEMP. DRY 12.2, WET , CLOUD. TYPE NS, AMT 08, WEATHER C ,

0	14.11	34.300	5.80							0	14.11	34.300	5.80	25.64	235	235	0.0000
10	14.06	34.330	5.75							10	14.06	34.330	5.75	25.67	232	232	0.0234
20	14.00	34.300	5.50							20	14.00	34.300	5.50	25.66	233	233	0.0467
30	14.01	34.300	5.45							30	14.01	34.300	5.45	25.66	233	234	0.0701
50	13.94	34.310	5.45							50	13.94	34.310	5.45	25.68	231	232	0.1168
75	13.92	34.310	5.30							75	13.92	34.310	5.30	25.68	231	233	0.1750
90	13.80	34.280	5.30														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .BUSAN 852 . STATION 203-03 . 33-38.3. N. 126-21.3. E. APR.15.1983. 09:30 KST. DEPTH 135 . COLOR 4, TRANS. 10.0,
WAVE NW 1, SWELL NW 1, WIND NW 2. BARO 1010. . AIR TEMP. DRY 11.8. WET . CLOUD. TYPE NS, AMT 10, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.50	34.270	5.55							0	14.50	34.270	5.55	25.53	245	245	0.0000
10	14.41	34.290	5.65							10	14.41	34.290	5.65	25.57	242	242	0.0244
20	14.41	34.300	5.20							20	14.41	34.300	5.20	25.57	241	242	0.0486
30	14.42	34.320	5.10							30	14.42	34.320	5.10	25.59	240	241	0.0728
50	14.39	34.310	5.35							50	14.39	34.310	5.35	25.59	240	241	0.1211
75	14.43	34.320	5.75							75	14.43	34.320	5.75	25.59	240	242	0.1816
100	14.39	34.310	5.70							100	14.39	34.310	5.70	25.59	240	243	0.2423
125	14.43	34.320	5.60							125	14.43	34.320	5.60	25.59	240	243	0.3032

6 月(June)

KOREA .BUSAN 852 . STATION 203-01 . 33-56.6. N. 126-31.4. E. JUN.14.1983. 12:15 KST. DEPTH 60 , COLOR 3, TRANS. 14.0,
WAVE SW 1, SWELL SW 1, WIND SW 2. BARO 1010. . AIR TEMP. DRY 20.2. WET . CLOUD. TYPE AS. AMT 09, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.15	33.380	6.05							0	16.15	33.380	6.05	24.48	345	345	0.0000
10	15.43	33.360	6.06							10	15.43	33.360	6.06	24.63	331	331	0.0338
20	14.58	33.400	5.97							20	14.58	33.400	5.97	24.85	311	311	0.0660
30	14.02	33.500	5.96							30	14.02	33.500	5.96	25.04	292	293	0.0962
50	13.60	33.490	5.87							50	13.60	33.490	5.87	25.12	285	286	0.1541

KOREA .BUSAN 852 . STATION 203-02 . 33-47.5. N. 126-26.3. E. JUN.14.1983. 11:00 KST. DEPTH 95 . COLOR 3. TRANS. 14.0.
WAVE SW 2. SWELL SW 1. WIND SW 2. BARO 1010. . AIR TEMP. DRY 22.7. WET . CLOUD. TYPE CI. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.10	32.000	5.97							0	19.10	32.000	5.97	22.72	513	513	0.0000
10	18.51	32.970	6.05							10	18.51	32.970	6.05	23.61	428	428	0.0471
20	18.13	33.240	5.97							20	18.13	33.240	5.97	23.91	400	400	0.0885

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	15.52	33.350	5.87							30	15.52	33.350	5.87	24.60	334	334	0.1253
50	13.74	33.450	5.76							50	13.74	33.450	5.76	25.06	290	291	0.1880
75	11.79	33.630	5.73							75	11.79	33.630	5.73	25.58	241	242	0.2548
90	11.51	33.670	5.70														

KOREA .BUSAN 852 . STATION 203-03 , 33-38.3. N. 126-21.3. E. JUN.14.1983. 09:40 KST. DEPTH 130 . COLOR 3, TRANS. 14.0,
WAVE SW 2. SWELL SW 1. WIND SW 3, BARO 1009.7, AIR TEMP. DRY 21.8, WET . CLOUD. TYPE CI, AMT 04. WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.40	33.290	6.12							0	19.40	33.290	6.12	23.63	427	426	0.0000
10	19.19	33.350	5.72							10	19.19	33.350	5.72	23.73	417	417	0.0422
20	18.90	33.480	5.54							20	18.90	33.480	5.54	23.90	401	401	0.0831
30	18.48	33.670	5.59							30	18.48	33.670	5.59	24.15	377	377	0.1221
50	16.79	33.840	5.35							50	16.79	33.840	5.35	24.69	326	327	0.1926
75	14.39	33.980	5.45							75	14.39	33.980	5.45	25.33	264	266	0.2668
100	13.25	33.990	5.25							100	13.25	33.990	5.25	25.58	241	243	0.3307
125	12.43	34.130	5.12							125	12.43	34.130	5.12	25.85	216	218	0.3885

8月(August)

KOREA .BUSAN 852 , STATION 203-01 . 33-56.6. N. 126-31.4. E. AUG.12.1983. 11:50 KST. DEPTH 57 , COLOR 3. TRANS. 11.0.
WAVE SE 2. SWELL SE 2. WIND SE 2. BARO 1008. . AIR TEMP. DRY 27.1. WET . CLOUD. TYPE CI. AMT 05. WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.70	30.250	5.03							0	26.70	30.250	5.03	19.26	845	845	0.0000
10	24.16	31.830	5.33							10	24.16	31.830	5.33	21.22	657	657	0.0751
20	21.40	31.570	5.33							20	21.40	31.570	5.33	21.80	602	602	0.1381
30	16.43	32.610	5.51							30	16.43	32.610	5.51	23.83	407	408	0.1887
50	13.93	33.230	5.33							50	13.93	33.230	5.33	24.85	310	311	0.2607

KOREA .BUSAN 852 , STATION 203-02 , 33-47.5. N. 126-26.3. E. AUG.12.1983. 10:30 KST. DEPTH 95 . COLOR 3, TRANS. .
WAVE SE 2, SWELL SE 2, WIND SE 3, BARO 1008. , AIR TEMP. DRY 27.0, WET , CLOUD. TYPE ST. AMT 06. WEATHER BC.

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.43	30.650	4.83							0	27.43	30.650	4.83	19.33	838	838	0.0000
10	27.21	31.150	5.26							10	27.21	31.150	5.26	19.78	796	796	0.0817
20	21.18	31.980	5.43							20	21.18	31.980	5.43	22.17	566	566	0.1499
30	15.20	32.580	5.63							30	15.20	32.580	5.63	24.08	383	384	0.1974
50	14.29	33.340	5.09							50	14.29	33.340	5.09	24.86	309	310	0.2670
75	13.83	33.740	5.13							75	13.83	33.740	5.13	25.26	271	272	0.3399
93	13.73	33.970	4.85														

KOREA .BUSAN 852 , STATION 203-03 , 33-38.3. N. 126-21.3. E. AUG.12.1983, 09:20 KST, DEPTH 135 , COLOR . TRANS. ,
WAVE SE 3, SWELL SE 3, WIND SE 3, BARO 1008. , AIR TEMP. DRY 27.2, WET , CLOUD. TYPE ST. AMT 06, WEATHER BC.

0	26.50	30.690	4.95							0	26.50	30.690	4.95	19.65	807	807	0.0000
10	26.16	30.700	5.13							10	26.16	30.700	5.13	19.77	797	797	0.0802
20	23.47	31.140	*****							20	23.47	31.140	5.25	20.90	688	688	0.1545
30	20.51	32.470	5.38							30	20.51	32.470	5.38	22.72	514	514	0.2147
50	15.21	33.410	4.93							50	15.21	33.410	4.93	24.72	323	324	0.2986
75	13.51	33.910	5.01							75	13.51	33.910	5.01	25.46	252	254	0.3709
100	13.54	33.970	4.93							100	13.54	33.970	4.93	25.50	248	251	0.4341
125	13.57	34.000	4.93							125	13.57	34.000	4.93	25.52	247	250	0.4967

10月(October)

KOREA .BUSAN 852 , STATION 203-01 , 33-56.6. N, 126-31.4. E. OCT.19.1983, 11:00 KST, DEPTH 57 , COLOR 3, TRANS. 13.0,
WAVE NE 4, SWELL NE 3. WIND NE 5. BARO 1012.5, AIR TEMP. DRY 17.6, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	22.55	33.600	4.88							0	22.55	33.600	4.88	23.02	485	485	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	22.56	33.600	4.83							10	22.56	33.600	4.83	23.02	485	485	0.0485
20	22.56	33.600	4.81							20	22.56	33.600	4.81	23.02	485	486	0.0971
30	22.55	33.590	4.81							30	22.55	33.590	4.81	23.01	486	486	0.1458
50	22.52	33.590	4.81							50	22.52	33.590	4.81	23.02	485	486	0.2431

KOREA .BUSAN 852 , STATION 203-02 , 33-47.5. N. 126-26.3. E. OCT.19.1983. 09:35 KST. DEPTH 95 . COLOR 3. TRANS. 14.0.
WAVE NE 4. SWELL NE 3. WIND NE 5. BARO 1012.5. AIR TEMP. DRY 17.8. WET . CLOUD. TYPE NS. AMT 10. WEATHER R ,

0	22.40	33.530	4.81							0	22.40	33.530	4.81	23.01	486	486	0.0000
10	22.40	33.540	4.81							10	22.40	33.540	4.81	23.01	485	485	0.0486
20	22.40	33.540	4.81							20	22.40	33.540	4.81	23.01	485	486	0.0972
30	21.34	33.530	4.72							30	21.34	33.530	4.72	23.30	458	459	0.1444
50	17.36	33.680	4.24							50	17.36	33.680	4.24	24.43	350	351	0.2255
75	14.88	33.730	3.95							75	14.88	33.730	3.95	25.03	293	294	0.3064
92	14.39	33.720	3.94														

KOREA .BUSAN 852 , STATION 203-03 , 33-38.3. N. 126-21.3. E. OCT.19.1983. 08:00 KST. DEPTH 130 . COLOR 3. TRANS. 14.0.
WAVE NE 4. SWELL NE 3. WIND NE 5. BARO 1012.5. AIR TEMP. DRY 17.9. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .

0	21.60	33.460	4.71							0	21.60	33.460	4.71	23.18	470	470	0.0000
10	21.60	33.540	4.71							10	21.60	33.540	4.71	23.24	464	464	0.0467
20	21.60	33.520	4.71							20	21.60	33.520	4.71	23.22	466	466	0.0932
30	21.60	33.530	4.81							30	21.60	33.530	4.81	23.23	465	465	0.1399
50	21.48	33.560	4.67							50	21.48	33.560	4.67	23.28	460	461	0.2326
75	17.27	33.970	3.93							75	17.27	33.970	3.93	24.68	327	329	0.3314
100	16.23	34.080	*****							100	16.23	34.080	3.17	25.00	296	298	0.4099
125	13.74	34.580	2.42							125	13.74	34.580	2.42	25.93	207	210	0.4737

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

12月(December)

KOREA .BUSAN 852 . STATION 203-01 . 33-56.6. N. 126-31.4. E. DEC.12.1983. 13:40 KST. DEPTH 57 . COLOR 3. TRANS. 15.0.

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1023. . AIR TEMP. DRY 11.7. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.60	33.560	5.29							0	14.60	33.560	5.29	24.96	299	299	0.0000
10	14.58	33.560	5.10							10	14.58	33.560	5.10	24.97	299	299	0.0299
20	14.53	33.570	5.10							20	14.53	33.570	5.10	24.99	297	298	0.0598
30	14.51	33.560	5.09							30	14.51	33.560	5.09	24.98	298	298	0.0896
50	14.19	33.570	5.08							50	14.19	33.570	5.08	25.06	290	291	0.1487

KOREA .BUSAN 852 . STATION 203-02 . 33-47.5. N. 126-26.3. E. DEC.12.1983. 12:30 KST. DEPTH 100 . COLOR 3. TRANS. 15.0.

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1023. . AIR TEMP. DRY 11.2. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	15.37	33.630	5.39							0	15.37	33.630	5.39	24.85	310	310	0.0000
10	15.35	33.620	5.22							10	15.35	33.620	5.22	24.85	311	311	0.0310
20	15.35	33.620	5.20							20	15.35	33.620	5.20	24.85	311	311	0.0621
30	15.31	33.630	5.16							30	15.31	33.630	5.16	24.86	309	309	0.0932
50	15.31	33.620	5.17							50	15.31	33.620	5.17	24.86	310	311	0.1553
75	15.31	33.670	5.09							75	15.31	33.670	5.09	24.89	306	308	0.2328
95	15.31	33.680	4.90														

KOREA .BUSAN 852 . STATION 203-03 . 33-38.3. N. 126-21.3. E. DEC.12.1983. 11:30 KST. DEPTH 135 . COLOR 3. TRANS. 14.0.

WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1022. . AIR TEMP. DRY 11.0. WET . CLOUD. TYPE AC. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	15.80	33.570	5.39							0	15.80	33.570	5.39	24.71	324	323	0.0000
10	15.68	33.580	5.15							10	15.68	33.580	5.15	24.74	320	320	0.0322
20	15.67	33.600	5.25							20	15.67	33.600	5.25	24.76	319	319	0.0642
30	15.62	33.600	5.20							30	15.62	33.600	5.20	24.77	318	318	0.0961

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	15.19	33.630	5.10							50	15.19	33.630	5.10	24.89	306	308	0.1588
75	15.07	33.640	5.10							75	15.07	33.640	5.10	24.92	303	305	0.2355
100	15.02	33.640	5.17							100	15.02	33.640	5.17	24.93	302	305	0.3118
125	15.01	33.760	5.20							125	15.01	33.760	5.20	25.03	293	296	0.3870

313線' 海洋觀測 成績

Oceanographic Data. Line 313

2 月(February)

KOREA .BUSAN 852 , STATION 313-02 , 33-24.4. N, 126-00.0. E, FEB.11.1983, 07:55 KST, DEPTH 92 , COLOR , TRANS. ,

WAVE SW 3, SWELL 5 2, WIND SW 3, BARO 1020.5, AIR TEMP. DRY 7.6, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.74	34.480	5.65							0	14.74	34.480	5.65	25.64	235	235	0.0000
10	14.75	34.470	5.64							10	14.75	34.470	5.64	25.63	236	236	0.0235
20	14.78	34.490	5.82							20	14.78	34.490	5.82	25.64	235	235	0.0471
30	14.76	34.470	5.55							30	14.76	34.470	5.55	25.63	236	237	0.0706
50	14.72	34.470	5.57							50	14.72	34.470	5.57	25.64	235	236	0.1182
75	14.77	34.460	5.69							75	14.77	34.460	5.69	25.62	237	239	0.1777
87	14.77	34.500	5.74														

KOREA .BUSAN 852 , STATION 313-03 , 33-24.4. N, 125-48.0. E, FEB.11.1983, 06:35 KST, DEPTH 90 , COLOR , TRANS. ,

WAVE SW 3, SWELL 5 2, WIND SW 3, BARO 1020.5, AIR TEMP. DRY 7.6, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.73	34.460	5.96							0	14.73	34.460	5.96	25.63	236	236	0.0000
10	14.75	34.440	5.84							10	14.75	34.440	5.84	25.61	238	238	0.0237
20	14.78	34.450	5.81							20	14.78	34.450	5.81	25.61	238	238	0.0476
30	14.77	34.430	5.86							30	14.77	34.430	5.86	25.60	239	240	0.0715
50	14.76	34.420	5.74							50	14.76	34.420	5.74	25.59	240	241	0.1197
75	14.75	34.420	5.73							75	14.75	34.420	5.73	25.59	240	241	0.1801
85	14.79	34.430	5.77														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 313-04 , 33-24.4. N, 125-36.0. E, FEB.11.1983, 05:20 KST, DEPTH 88 , COLOR , TRANS. ,																	
WAVE SW 2, SWELL SW 2, WIND SW 3, BARO 1021. , AIR TEMP. DRY 6.9, WET , CLOUD. TYPE CI. AMT 04, WEATHER BC,																	
0	14.61	34.390	5.64							0	14.61	34.390	5.64	25.60	239	239	0.0000
10	14.58	34.380	5.64							10	14.58	34.380	5.64	25.60	239	239	0.0239
20	14.64	34.390	5.91							20	14.64	34.390	5.91	25.59	239	240	0.0479
30	14.60	34.390	5.74							30	14.60	34.390	5.74	25.60	239	239	0.0719
50	14.65	34.380	5.64							50	14.65	34.380	5.64	25.58	240	241	0.1200
75	14.66	34.380	5.74							75	14.66	34.380	5.74	25.58	241	242	0.1806
85	14.66	34.390	5.62														
KOREA .BUSAN 852 . STATION 313-05 . 33-24.4. N. 125-24.0. E, FEB.11.1983. 04:00 KST. DEPTH 84 . COLOR , TRANS. ,																	
WAVE S 2, SWELL S 2, WIND S 3, BARO 1022.5, AIR TEMP. DRY 6.8, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,																	
0	14.38	34.370	5.86							0	14.38	34.370	5.86	25.63	236	235	0.0000
10	14.44	34.370	5.82							10	14.44	34.370	5.82	25.62	237	237	0.0236
20	14.41	34.350	5.74							20	14.41	34.350	5.74	25.61	238	238	0.0474
30	14.46	34.350	5.74							30	14.46	34.350	5.74	25.60	239	239	0.0713
50	14.46	34.370	5.75							50	14.46	34.370	5.75	25.62	237	238	0.1192
75	14.46	34.390	5.76							75	14.46	34.390	5.76	25.63	236	238	0.1788
80	14.50	34.360	5.74														
KOREA .BUSAN 852 , STATION 313-06 , 33-24.4. N, 125-12.0. E. FEB.11.1983, 02:45 KST, DEPTH 83 , COLOR , TRANS. ,																	
WAVE SE 2, SWELL SE 2, WIND SE 3, BARO 1021.5, AIR TEMP. DRY 6.2, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,																	
0	14.33	34.410	5.75							0	14.33	34.410	5.75	25.68	232	231	0.0000
10	14.38	34.420	5.45							10	14.38	34.420	5.45	25.67	232	232	0.0232
20	14.35	34.420	5.62							20	14.35	34.420	5.62	25.68	231	232	0.0464

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	14.40	34.440	5.49							30	14.40	34.440	5.49	25.68	231	231	0.0696
50	14.38	34.420	5.54							50	14.38	34.420	5.54	25.67	232	233	0.1162
75	14.39	34.420	5.34							75	14.39	34.420	5.34	25.67	232	234	0.1747
80	14.41	******	*****														
KOREA .BUSAN 852 . STATION 313-07 . 33-24.4. N. 125-00.0. E. FEB.11.1983. 01:20 KST. DEPTH 80 . COLOR . TRANS.																	
WAVE SE 3. SWELL SE 2. WIND SE 3. BARO 1022. . AIR TEMP. DRY 5.8. WET . CLOUD. TYPE CI. AMT, 05. WEATHER BC.																	
0	13.36	34.190	5.89							0	13.36	34.190	5.89	25.71	229	228	0.0000
10	13.42	34.190	5.76							10	13.42	34.190	5.76	25.70	230	230	0.0229
20	13.45	34.210	5.55							20	13.45	34.210	5.55	25.70	229	229	0.0459
30	13.50	34.230	5.54							30	13.50	34.230	5.54	25.71	228	229	0.0689
50	13.52	34.260	5.72							50	13.52	34.260	5.72	25.73	227	228	0.1146
75	13.53	34.260	5.66							75	13.53	34.260	5.66	25.73	227	228	0.1718
KOREA .BUSAN 852 . STATION 313-08 . 33-24.4. N. 124-48.0. E. FEB.11.1983. 00:05 KST. DEPTH 80 . COLOR . TRANS.																	
WAVE SE 3. SWELL SE 2. WIND SE 3. BARO 1022. . AIR TEMP. DRY 5.8. WET . CLOUD. TYPE CI. AMT 05, WEATHER BC.																	
0	12.99	34.170	5.84							0	12.99	34.170	5.84	25.77	223	223	0.0000
10	12.98	34.170	5.70							10	12.98	34.170	5.70	25.77	223	223	0.0223
20	13.00	34.170	5.64							20	13.00	34.170	5.64	25.76	223	223	0.0446
30	12.97	34.180	5.75							30	12.97	34.180	5.75	25.78	222	222	0.0670
50	13.01	34.170	5.69							50	13.01	34.170	5.69	25.76	223	224	0.1118
75	12.99	34.180	5.79							75	12.99	34.180	5.79	25.77	222	224	0.1679
KOREA .BUSAN 852 . STATION 313-09 . 33-24.4. N, 124-36.0. E. FEB.10.1983. 22:50 KST. DEPTH 75 . COLOR . TRANS.																	
WAVE SE 3. SWELL SE 2, WIND SE 3, BARO 1022. . AIR TEMP. DRY 5.4, WET . CLOUD. TYPE CI. AMT 04, WEATHER BC.																	
0	12.74	34.170	6.04							0	12.74	34.170	6.04	25.82	218	218	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	12.74	34.180	5.84							10	12.74	34.180	5.84	25.82	218	218	0.0218
20	12.76	34.180	5.96							20	12.76	34.180	5.96	25.82	218	218	0.0436
30	12.72	34.190	5.94							30	12.72	34.190	5.94	25.84	217	217	0.0654
50	12.76	34.190	5.94							50	12.76	34.190	5.94	25.83	217	218	0.1091
70	12.74	34.190	6.09														

KOREA .BUSAN 852 . STATION 313-10 . 33-24.4. N. 124-24.0. E. FEB.10.1983. 21:30 KST. DEPTH 75 . . COLOR . TRANS.
WAVE S 2. SWELL S 2. WIND S 2. BARO 1022. . AIR TEMP. DRY 5.6. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .

0	12.58	34.190	6.04							0	12.58	34.190	6.04	25.86	214	214	0.0000
10	12.65	34.200	5.76							10	12.65	34.200	5.76	25.86	214	214	0.0214
20	12.57	34.190	5.94							20	12.57	34.190	5.94	25.87	214	214	0.0429
30	12.56	34.190	5.89							30	12.56	34.190	5.89	25.87	214	214	0.0643
50	12.56	34.190	5.94							50	12.56	34.190	5.94	25.87	214	214	0.1073
70	12.36	34.160	5.94														

4月(April)

KOREA .BUSAN 852 , STATION 313-02 . 33-24.4. N. 126-00.0. E. APR.13.1983. 09:30 KST. DEPTH 90 . COLOR 5. TRANS. 16.0.
WAVE NE 3. SWELL NE 2. WIND NE 3, BARO 1010. . AIR TEMP. DRY 14.4, WET . CLOUD. TYPE NS, AMT 10. WEATHER C .

0	14.83	34.340	6.30							0	14.83	34.340	6.30	25.51	247	247	0.0000
10	14.79	34.340	6.25							10	14.79	34.340	6.25	25.52	246	246	0.0246
20	14.53	34.330	5.85							20	14.53	34.330	5.85	25.57	242	242	0.0491
30	14.45	34.340	5.80							30	14.45	34.340	5.80	25.60	239	240	0.0732
50	14.26	34.360	5.40							50	14.26	34.360	5.40	25.65	234	235	0.1208
75	14.27	34.360	5.35							75	14.27	34.360	5.35	25.65	234	236	0.1798
85	14.24	34.370	5.15														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 313-03 , 33-24.4. N, 125-48.0. E, APR.13.1983, 06:10 KST. DEPTH 92 , COLOR , TRANS. .																	
WAVE NE 2, SWELL NE 2, WIND NE 2, BARO 1011. , AIR TEMP. DRY 14.4, WET , CLOUD. TYPE NS, AMT 10. WEATHER C ,																	
0	14.69	34.280	6.40							0	14.69	34.280	6.40	25.50	249	248	0.0000
10	14.65	34.270	6.35							10	14.65	34.270	6.35	25.50	248	248	0.0248
20	14.63	34.270	6.35							20	14.63	34.270	6.35	25.50	248	248	0.0497
30	14.41	34.290	6.10							30	14.41	34.290	6.10	25.57	242	243	0.0743
50	14.27	34.330	6.05							50	14.27	34.330	6.05	25.63	236	237	0.1224
75	14.19	34.340	5.95							75	14.19	34.340	5.95	25.65	234	236	0.1817
87	14.17	34.340	5.75														
KOREA .BUSAN 852 . STATION 313-04 . 33-24.4. N, 125-36.0. E. APR.13.1983, 04:50 KST. DEPTH 88 . COLOR . TRANS. .																	
WAVE NE 1, SWELL NE 1. WIND NE 1, BARO 1012. . AIR TEMP. DRY 14.2. WET , CLOUD. TYPE , AMT . WEATHER C ,																	
0	14.68	34.240	6.60							0	14.68	34.240	6.60	25.47	251	251	0.0000
10	14.66	34.250	6.50							10	14.66	34.250	6.50	25.48	250	250	0.0251
20	14.38	34.280	6.50							20	14.38	34.280	6.50	25.56	242	242	0,0497
30	14.29	34.330	6.20							30	14.29	34.330	6.20	25.62	237	237	0.0738
50	14.15	34.360	5.90							50	14.15	34.360	5.90	25.68	232	233	0.1209
75	14.35	34.360	6.00							75	14.35	34.360	6.00	25.63	236	238	0.1798
83	14.26	34.360	5.90														
KOREA .BUSAN 852 . STATION 313-05 . 33-24.4. N. 125-24.0. E. APR.13.1983. 03:30 KST. DEPTH 83. . COLOR . TRANS. .																	
WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1012.5. AIR TEMP. DRY 13.8. WET . CLOUD. TYPE . AMT . WEATHER C .																	
0	14.38	34.240	6.50							0	14.38	34.240	6.50	25.53	245	245	0.0000
10	14.19	34.240	6.30							10	14.19	34.240	6.30	25.57	241	241	0.0243
20	14.14	34.240	6.30							20	14.14	34.240	6.30	25.58	240	241	0.0485

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	13.86	34.270	6.20							30	13.88	34.270	6.20	25.66	233	233	0.0722
50	13.87	34.250	6.10							50	13.87	34.250	6.10	25.65	234	235	0.1192
75	13.84	34.270	6.15							75	13.84	34.270	6.15	25.67	232	234	0.1779

KOREA .BUSAN 852 . STATION 313-06 . 33-24.4. N. 125-12.0. E. APR.13.1983. 02:15 KST. DEPTH 82 . COLOR . TRANS. .
WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1012.5. AIR TEMP. DRY 12.4. WET . CLOUD. TYPE . AMT . WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.42	33.530	6.70							0	12.42	33.530	6.70	25.38	260	259	0.0000
10	12.52	33.690	6.95							10	12.52	33.690	6.95	25.49	250	250	0.0254
20	12.45	33.830	6.50							20	12.45	33.830	6.50	25.61	238	238	0.0499
30	12.45	33.910	6.55							30	12.45	33.910	6.55	25.67	232	233	0.0735
50	12.55	34.070	6.10							50	12.55	34.070	6.10	25.78	222	223	0.1191
75	12.47	34.040	6.20							75	12.47	34.040	6.20	25.77	223	224	0.1752

KOREA .BUSAN 852 . STATION 313-07 . 33-24.4. N. 125-00.0. E. APR.13.1983. 01:00 KST. DEPTH 72 . COLOR . TRANS. .
WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1012.5. AIR TEMP. DRY 12.0. WET . CLOUD. TYPE . AMT , WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.47	33.560	6.80							0	12.47	33.560	6.80	25.40	258	258	0.0000
10	12.40	******	6.90							10	12.40	33.685	6.90	25.51	248	248	0.0253
20	12.71	33.810	6.70							20	12.71	33.810	6.70	25.54	244	244	0.0499
30	12.68	33.870	6.75							30	12.68	33.870	6.75	25.60	239	240	0.0742
50	12.63	33.880	6.30							50	12.63	33.880	6.30	25.61	238	239	0.1221
67	12.24	33.900	6.20														

KOREA .BUSAN 852 . STATION 313-08 . 33-24.4. N. 124-48.0. E. APR.12.1983. 23:45 KST. DEPTH 75 . COLOR . TRANS. .
WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1012.5. AIR TEMP. DRY 11.4. WET . CLOUD. TYPE . AMT . WEATHER BC.

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.13	33.190	6.90							0	12.13	33.190	6.90	25.18	279	279	0.0000
10	11.21	33.160	6.80							10	11.21	33.160	6.80	25.32	265	265	0.0272

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	11.19	33.170	7.00							20	11.19	33.170	7.00	25.33	264	264	0.0537
30	10.85	33.210	6.80							30	10.85	33.210	6.80	25.43	256	256	0.0798
50	10.51	33.280	6.70							50	10.51	33.280	6.70	25.54	245	245	0.1300
70	10.16	33.570	6.55														

KOREA ,BUSAN 852 , STATION 313-09 , 33-24.4. N, 124-36.0. E, APR.12.1983, 22:30 KST, DEPTH 70 , COLOR , TRANS. ,

WAVE NE 1, SWELL NE 1. WIND NE 1. BARO 1012.5. AIR TEMP. DRY 10.2. WET , CLOUD. TYPE , AMT , WEATHER BC,

0	12.10	33.350	7.10							0	12.10	33.350	7.10	25.31	267	267	0.0000
10	11.86	33.500	6.70							10	11.86	33.500	6.70	25.47	252	252	0.0259
20	11.52	33.570	6.70							20	11.52	33.570	6.70	25.58	240	241	0.0506
30	11.10	33.550	6.75							30	11.10	33.550	6.75	25.64	235	235	0.0744
50	10.87	33.550	6.60							50	10.87	33.550	6.60	25.69	231	232	0.1211
65	10.76	33.570	6.50														

KOREA .BUSAN 852 . STATION 313-10 . 33-24.4. N, 124-24.0. E, APR.12.1983, 21:15 KST. DEPTH 68 , COLOR , TRANS. ,

WAVE NE 1. SWELL NE 1, WIND NE 1. BARO 1012. . AIR TEMP. DRY 9.8. WET . CLOUD. TYPE . AMT . WEATHER F ,

0	11.59	33.210	6.85							0	11.59	33.210	6.85	25.29	268	268	0.0000
10	11.09	33.160	6.70							10	11.09	33.160	6.70	25.34	263	263	0.0266
20	10.26	33.260	6.70							20	10.26	33.260	6.70	25.57	242	242	0.0519
30	9.88	33.350	6.75							30	9.88	33.350	6.75	25.70	229	230	0.0755
50	10.11	33.530	6.75							50	10.11	33.530	6.75	25.80	220	220	0.1206
63	10.16	33.800	6.30														

6月(June)

KOREA .BUSAN 852 , STATION 313-02 , 33-24.4. N, 126-00.0. E. JUN.12.1983. 07:35 KST. DEPTH 88 . COLOR 2, TRANS. 12.0,

WAVE SE 4. SWELL SE 3, WIND SE 5, BARO 998.5. AIR TEMP. DRY 20.0. WET . CLOUD. TYPE NS. AMT 10, WEATHER C ,

0	19.90	33.640	6.02							0	19.90	33.640	6.02	23.77	413	413	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	19.90	33.620	5.67							10	19.90	33.620	5.67	23.75	415	415	0.0414
20	19.89	33.610	5.87							20	19.89	33.610	5.87	23.75	415	416	0.0830
30	18.94	33.790	6.12							30	18.94	33.790	6.12	24.13	379	380	0.1228
50	15.65	34.340	5.77							50	15.65	34.340	5.77	25.33	264	265	0.1874
75	15.27	34.350	5.37							75	15.27	34.350	5.37	25.43	255	257	0.2529
85	15.03	34.400	5.27														

KOREA .BUSAN 852 . STATION 313-03 . 33-24.4. N. 125-48.0. E. JUN.12.1983. 06:15 KST. DEPTH 92 , COLOR . TRANS. ,
WAVE SE 4, SWELL SE 3, WIND SE 5, BARO 1000.2, AIR TEMP. DRY 18.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.90	33.690	5.77							0	19.90	33.690	5.77	23.81	410	410	0.0000
10	19.92	33.670	5.77							10	19.92	33.670	5.77	23.79	412	412	0.0411
20	19.91	33.690	5.77							20	19.91	33.690	5.77	23.80	410	410	0.0822
30	18.07	33.980	6.03							30	18.07	33.980	6.03	24.49	345	345	0.1201
50	14.52	34.250	5.57							50	14.52	34.250	5.57	25.51	247	248	0.1795
75	14.31	34.220	5.67							75	14.31	34.220	5.67	25.53	245	247	0.2415
85	13.09	34.280	5.27														

KOREA .BUSAN 852 . STATION 313-04 , 33-24.4. N, 125-36.0. E, JUN.12.1983, 05:00 KST, DEPTH 88 , COLOR , TRANS. .
WAVE SE 4, SWELL SE 3, WIND SE 5, BARO 1002. , AIR TEMP. DRY 17.8, WET , CLOUD. TYPE NS, AMT 10, WEATHER R ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.20	32.740	6.07							0	19.20	32.740	6.07	23.26	462	461	0.0000
10	19.18	32.690	5.87							10	19.18	32.690	5.87	23.23	465	465	0.0463
20	19.09	32.690	5.97							20	19.09	32.690	5.97	23.25	463	463	0.0927
30	16.29	32.710	6.17							30	16.29	32.710	6.17	23.94	397	398	0.1358
50	13.92	33.970	5.87							50	13.92	33.970	5.87	25.42	256	257	0.2014
75	13.18	33.960	5.77							75	13.18	33.960	5.77	25.57	242	244	0.2640
85	12.39	33.940	5.42														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .BUSAN 852 . STATION 313-05 , 33-24.4. N. 125-24.0. E, JUN.12.1983. 03:30 KST. DEPTH 82 . COLOR . TRANS. .

WAVE SE 4, SWELL SE 3, WIND SE 5. BARO 1002.5. AIR TEMP. DRY 17.9. WET , CLOUD. TYPE NS, AMT 10, WEATHER R ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.20	32.550	6.12							0	19.20	32.550	6.12	23.12	475	475	0.0000
10	19.16	32.560	5.87							10	19.16	32.560	5.87	23.14	474	474	0.0474
20	17.57	32.590	6.27							20	17.57	32.590	6.27	23.55	434	435	0.0929
30	17.28	32.600	6.17							30	17.28	32.600	6.17	23.63	427	428	0.1361
50	13.68	32.610	5.97							50	13.68	32.610	5.97	24.42	351	352	0.2141
75	13.13	33.860	5.47							75	13.13	33.860	5.47	25.50	249	250	0.2894

KOREA .BUSAN 852 . STATION 313-06 . 33-24.4. N. 125-12.0. E. JUN.12.1983. 02:15 KST. DEPTH 82 . COLOR . TRANS. .

WAVE SE 4. SWELL SE 3, WIND SE 5. BARO 1003. . AIR TEMP. DRY 18.0. WET . CLOUD. TYPE NS, AMT 10. WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.84	32.580	5.72							0	18.84	32.580	5.72	23.23	465	464	0.0000
10	18.76	32.550	5.87							10	18.76	32.550	5.87	23.23	465	465	0.0465
20	17.02	32.950	6.27							20	17.02	32.950	6.27	23.95	396	396	0.0896
30	11.94	33.160	6.36							30	11.94	33.160	6.36	25.19	278	278	0.1233
50	11.92	33.360	6.12							50	11.92	33.360	6.12	25.35	263	264	0.1776
75	11.46	33.450	5.92							75	11.46	33.450	5.92	25.50	248	250	0.2419

KOREA .BUSAN 852 . STATION 313-07 . 33-24.4. N. 125-00.0. E. JUN.12.1983. 01:00 KST. DEPTH 75 ., COLOR . TRANS. .

WAVE SE 4. SWELL SE 3. WIND SE 5, BARO 1004. . AIR TEMP. DRY 19.0. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.22	32.500	5.87							0	19.22	32.500	5.87	23.07	480	479	0.0000
10	19.30	32.480	5.62							10	19.30	32.480	5.62	23.04	483	483	0.0481
20	16.24	32.970	6.66							20	16.24	32.970	6.66	24.15	377	377	0.0912
30	12.39	33.330	6.47							30	12.39	33.330	6.47	25.23	274	274	0.1238
50	9.97	33.440	6.02							50	9.97	33.440	6.02	25.76	224	225	0.1736
70	9.90	33.430	5.77														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 313-08 , 33-24.4. N, 124-48.0. E, JUN.11.1983, 23:45 KST. DEPTH 75 . COLOR . TRANS. .																	
WAVE SE 4. SWELL SE 3. WIND SE 5. BARO 1005.5. AIR TEMP. DRY 19.2. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .																	
0	19.27	32.060	5.72							0	19.27	32.060	5.72	22.73	513	512	0.0000
10	16.42	32.590	5.67							10	16.42	32.590	5.67	23.82	409	409	0.0461
20	13.02	33.000	6.31							20	13.02	33.000	6.31	24.86	310	310	0.0820
30	10.59	33.120	6.37							30	10.59	33.120	6.37	25.40	258	258	0.1105
50	9.92	33.440	5.82							50	9.92	33.440	5.82	25.76	223	224	0.1588
70	9.91	33.480	5.77														
KOREA .BUSAN 852 , STATION 313-09 . 33-24.4. N, 124-36.0. E, JUN.11.1983, 22:25 KST. DEPTH 70 . COLOR , TRANS. .																	
WAVE SE 4. SWELL SE 3, WIND SE 5, BARO 1006.5. AIR TEMP. DRY 19.2, WET , CLOUD. TYPE NS. AMT 10. WEATHER R .																	
0	19.44	31.560	5.97							0	19.44	31.560	5.97	22.30	553	553	0.0000
10	19.43	31.750	5.72							10	19.43	31.750	5.72	22.45	539	539	0.0546
20	15.01	32.510	6.11							20	15.01	32.510	6.11	24.07	385	385	0.1009
30	12.43	32.800	6.37							30	12.43	32.800	6.37	24.82	313	314	0.1358
50	10.60	33.190	6.27							50	10.60	33.190	6.27	25.45	253	254	0.1927
65	9.73	33.410	5.82														
KOREA .BUSAN 852 . STATION 313-10 , 33-24.4. N, 124-24.0. E, JUN.11.1983, 21:10 KST. DEPTH 68 . COLOR . TRANS. .																	
WAVE SE 4. SWELL SE 3. WIND SE 5. BARO 1008. . AIR TEMP. DRY 19.8, WET . CLOUD. TYPE NS. AMT 10. WEATHER R .																	
0	19.87	31.450	5.77							0	19.87	31.450	5.77	22.11	572	571	0.0000
10	19.54	31.500	5.67							10	19.54	31.500	5.67	22.23	560	560	0.0566
20	11.69	32.840	5.37							20	11.69	32.840	5.37	24.99	297	297	0.0995
30	10.75	33.170	5.82							30	10.75	33.170	5.82	25.41	257	257	0.1273
50	10.57	33.320	5.47							50	10.57	33.320	5.47	25.56	243	243	0.1774
65	10.39	33.400	5.52														

8 月(August)

KOREA .BUSAN 852 . STATION 313-02 . 33-24.4. N. 126-00.0. E. AUG.11.1983. 08:35 KST. DEPTH 90 . COLOR 3. TRANS. 12.0.
WAVE SE 1. SWELL SE 2. WIND SE 1. BARO 1009. . AIR TEMP. DRY 26.2. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.73	30.240	4.80							0	27.73	30.240	4.80	18.93	877	877	0.0000
10	27.93	31.000	4.83							10	27.93	31.000	4.83	19.43	829	829	0.0853
20	19.47	32.530	4.93							20	19.47	32.530	4.93	23.03	483	484	0.1510
30	16.07	33.500	5.23							30	16.07	33.500	5.23	24.59	335	335	0.1919
50	14.75	33.900	4.73							50	14.75	33.900	4.73	25.19	278	279	0.2534
75	14.97	34.090	4.61							75	14.97	34.090	4.61	25.29	268	270	0.3221
88	14.97	34.090	4.53														

KOREA .BUSAN 852 . STATION 313-03 . 33-24.4. N. 125-48.0. E. AUG.11.1983. 07:25 KST. DEPTH 92 . COLOR 3. TRANS. 12.0.
WAVE SE 1. SWELL SE 2. WIND SE 2. BARO 1009. . AIR TEMP. DRY 25.0. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	28.67	29.800	4.88							0	28.67	29.800	4.88	18.30	938	938	0.0000
10	28.07	31.000	4.83							10	28.07	31.000	4.83	19.39	833	833	0.0886
20	18.50	32.660	5.05							20	18.50	32.660	5.05	23.38	451	451	0.1528
30	16.54	33.560	5.03							30	16.54	33.560	5.03	24.53	341	341	0.1925
50	13.96	33.730	5.23							50	13.96	33.730	5.23	25.23	274	275	0.2542
75	13.50	33.890	5.13							75	13.50	33.890	5.13	25.45	253	255	0.3206
85	13.49	33.970	*****														

KOREA .BUSAN 852 . STATION 313-04 . 33-24.4. N. 125-36.0. E. AUG.11.1983. 06:10 KST. DEPTH 88 . COLOR . TRANS. .
WAVE SE 2. SWELL SE 2. WIND SE 2. BARO 1008. . AIR TEMP. DRY 24.6. WET . CLOUD. TYPE NS. AMT 10. WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	28.31	29.730	4.83							0	28.31	29.730	4.83	18.36	932	932	0.0000
10	27.94	30.640	4.95							10	27.94	30.640	4.95	19.16	855	855	0.0893

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	18.18	32.340	5.05							20	18.18	32.340	5.05	23.21	467	467	0.1555
30	15.15	33.310	5.13							30	15.15	33.310	5.13	24.65	329	330	0.1953
50	13.33	33.790	4.88							50	13.33	33.790	4.88	25.40	257	258	0.2542
75	13.52	33.950	4.73							75	13.52	33.950	4.73	25.49	249	251	0.3180
86	13.52	33.980	4.53														

KOREA .BUSAN 852 . STATION 313-05 , 33-24.4. N. 125-24.0. E. AUG.11.1983. 04:45 KST. DEPTH 84 . COLOR . TRANS.
WAVE SE 2. SWELL SE 2. WIND SE 3. BARO 1008. , AIR TEMP. DRY 26.3. WET . CLOUD. TYPE NS. AMT 10. WEATHER R ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.87	29.800	4.73							0	27.87	29.800	4.73	18.56	913	913	0.0000
10	27.95	30.770	4.75							10	27.95	30.770	4.75	19.26	846	846	0.0879
20	22.14	32.250	5.28							20	22.14	32.250	5.28	22.11	572	572	0.1589
30	15.07	32.860	5.57							30	15.07	32.860	5.57	24.32	360	361	0.2056
50	12.75	33.640	4.98							50	12.75	33.640	4.98	25.40	258	258	0.2676
75	12.41	33.630	4.73							75	12.41	33.630	4.73	25.46	252	253	0.3317

KOREA .BUSAN 852 . STATION 313-06 , 33-24.4. N, 125-12.0. E. AUG.11.1983, 03:40 KST, DEPTH 83 ., COLOR . TRANS.
WAVE SE 2, SWELL SE 2, WIND SE 2. BARO 1007. , AIR TEMP. DRY 26.7, WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.94	29.700	5.23							0	27.94	29.700	5.23	18.46	923	922	0.0000
10	24.24	31.300	5.13							10	24.24	31.300	5.13	20.80	698	698	0.0810
20	17.06	32.680	5.43							20	17.06	32.680	5.43	23.74	416	416	0.1368
30	13.36	32.890	5.53							30	13.36	32.890	5.53	24.70	324	325	0.1739
50	10.57	33.180	5.43							50	10.57	33.180	5.43	25.45	253	254	0.2318
75	10.42	33.200	5.10							75	10.42	33.200	5.10	25.49	249	250	0.2950

KOREA .BUSAN 852 . STATION 313-07 , 33-24.4. N, 125-00.0. E. AUG.11.1983, 02:35 KST, DEPTH 72 . COLOR . TRANS.
WAVE SE 2. SWELL SE 2. WIND SE 2. BARO 1007. . AIR TEMP. DRY 27.5. WET , CLOUD. TYPE , AMT , WEATHER .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.92	29.950	5.11							0	27.92	29.950	5.11	18.65	904	904	[illegible]

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	22.60	31.530	5.31							10	22.60	31.530	5.31	21.44	636	636	0.0770
20	15.83	32.650	5.21							20	15.83	32.650	5.21	24.00	392	392	0.1284
30	14.69	32.770	5.31							30	14.69	32.770	5.31	24.34	359	360	0.1661
50	10.62	32.990	5.31							50	10.62	32.990	5.31	25.29	268	269	0.2290
70	10.33	33.050	5.13														

KOREA .BUSAN 852 , STATION 313-08 . 33-24.4. N. 124-48.0. E. AUG.11.1983. 01:20 KST. DEPTH 76 . COLOR , TRANS. .
WAVE SE 2. SWELL SE 2. WIND SE 3. BARO 1008. , AIR TEMP. DRY 27.1. WET . CLOUD. TYPE NS. AMT 09. WEATHER C ,

0	27.61	29.930	5.03							0	27.61	29.930	5.03	18.74	896	896	0.0000
10	23.34	31.470	5.33							10	23.34	31.470	5.33	21.18	661	661	0.0778
20	15.91	32.650	5.37							20	15.91	32.650	5.37	23.98	393	394	0.1306
30	14.67	******	5.27							30	14.67	32.666	5.27	24.26	366	367	0.1686
50	10.84	32.700	5.21							50	10.84	32.700	5.21	25.03	293	294	0.2348
74	10.35	33.180	5.23														

KOREA .BUSAN 852 . STATION 313-09 . 33-24.4. N. 124-36.0. E. AUG.11.1983. 00:10 KST. DEPTH 70 . COLOR . TRANS. .
WAVE SE 2, SWELL SE 2. WIND SE 2. BARO 1008. , AIR TEMP. DRY 26.8, WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

0	28.22	29.910	5.17							0	28.22	29.910	5.17	18.52	916	916	0.0000
10	26.61	30.680	5.09							10	26.61	30.680	5.09	19.61	811	811	0.0864
20	18.20	31.760	5.13							20	18.20	31.760	5.13	22.76	509	510	0.1525
30	11.64	33.080	5.21							30	11.64	33.080	5.21	25.18	279	279	0.1919
50	10.77	33.220	5.23							50	10.77	33.220	5.23	25.45	253	254	0.2454
68	10.77	33.240	4.98														

KOREA .BUSAN 852 . STATION 313-10 . 33-24.4. N. 124-24.0. E. AUG.10.1983. 23:00 KST. DEPTH 68 . COLOR . TRANS. .
WAVE SE 2. SWELL SE 2. WIND SE 2, BARO 1008. . AIR TEMP. DRY 27.5. WET . CLOUD. TYPE NS. AMT 10, WEATHER R .

0	28.85	29.970	4.94							0	28.85	29.970	4.94	18.36	932	931	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	26.37	30.470	4.93							10	26.37	30.470	4.93	19.53	819	819	0.0875
20	18.43	31.720	5.43							20	18.43	31.720	5.43	22.68	518	518	0.1545
30	13.53	33.180	5.20							30	13.53	33.180	5.20	24.89	306	307	0.1957
50	11.12	******	4.93							50	11.12	33.224	4.93	25.39	259	260	0.2525
66	10.51	33.260	*****														

10月(October)

KOREA .BUSAN 852 , STATION 313-02 . 33-24.4. N. 126-00.0. E. OCT.17.1983. 10:10 KST. DEPTH 90 -. COLOR 3. TRANS. 17.0.

WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1013. , AIR TEMP. DRY 20.6, WET , CLOUD. TYPE AS, AMT 10, WEATHER C .

0	23.17	33.430	4.66							0	23.17	33.430	4.66	22.71	514	514	0.0000
10	23.17	33.430	4.62							10	23.17	33.430	4.62	22.71	514	514	0.0514
20	23.17	33.460	4.79							20	23.17	33.460	4.79	22.74	512	512	0.1028
30	23.17	33.430	4.71							30	23.17	33.430	4.71	22.71	514	515	0.1542
50	12.60	33.490	4.13							50	12.60	33.490	4.13	25.32	266	267	0.2324
75	11.79	33.580	4.04							75	11.79	33.580	4.04	25.54	244	246	0.2966
88	11.66	33.580	4.12														

KOREA .BUSAN 852 , STATION 313-03 , 33-24.4. N, 125-48.0. E, OCT.17.1983, 08:45 KST, DEPTH 90- , COLOR 3. TRANS. 17.0.

WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1013.5, AIR TEMP. DRY 20.3, WET , CLOUD. TYPE AS, AMT 10, WEATHER C .

0	23.07	33.360	4.88							0	23.07	33.360	4.88	22.69	517	516	0.0000
10	23.06	33.370	4.86							10	23.06	33.370	4.86	22.70	516	516	0.0516
20	23.03	33.370	4.90							20	23.03	33.370	4.90	22.71	515	515	0.1032
30	23.09	33.380	4.71							30	23.09	33.380	4.71	22.70	516	516	0.1548
50	11.25	33.430	4.23							50	11.25	33.430	4.23	25.52	246	247	0.2312

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	11.14	33.520	4.13							75	11.14	33.520	4.13	25.61	238	239	0.2920
87	11.05	33.520	4.18														

KOREA .BUSAN 852 . STATION 313-04 . 33-24.4. N. 125-36.0. E. OCT.17.1983. 07:30 KST. DEPTH 87 . . COLOR 3. TRANS. 15.0.

WAVE NE 3. SWELL NE 2. WIND NE 3. BARO 1012.5. AIR TEMP. DRY 19.8. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.93	33.280	4.71							0	22.93	33.280	4.71	22.67	518	518	0.0000
10	22.94	33.360	4.71							10	22.94	33.360	4.71	22.73	513	513	0.0516
20	22.83	33.390	4.81							20	22.83	33.390	4.81	22.78	508	508	0.1027
30	22.79	33.400	4.81							30	22.79	33.400	4.81	22.80	506	507	0.1534
50	14.00	33.460	4.36							50	14.00	33.460	4.36	25.01	295	296	0.2338
75	11.03	33.500	4.31							75	11.03	33.500	4.31	25.62	237	238	0.3007
84	11.03	33.230	4.33														

KOREA .BUSAN 852 . STATION 313-05 . 33-24.4. N. 125-24.0. E. OCT.17.1983. 06:10 KST. DEPTH 82 . COLOR . TRANS. .

WAVE NE 3. SWELL NE 2. WIND NE 3. BARO 1012. . AIR TEMP. DRY 19.6. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.91	32.710	4.98							0	20.91	32.710	4.98	22.79	506	506	0.0000
10	20.91	32.690	5.00							10	20.91	32.690	5.00	22.78	508	508	0.0507
20	20.95	32.720	5.00							20	20.95	32.720	5.00	22.79	507	507	0.1015
30	20.08	33.200	4.71							30	20.08	33.200	4.71	23.39	450	450	0.1494
50	11.08	33.250	4.33							50	11.08	33.250	4.33	25.42	256	257	0.2203
75	10.97	33.340	*****							75	10.97	33.340	*****	25.50	248	249	0.2837

KOREA .BUSAN 852 . STATION 313-06 . 33-24.4. N. 125-12.0. E. OCT.17.1983. 04:50 KST. DEPTH 90 . COLOR . TRANS. .

WAVE NE 3. SWELL NE 2. WIND NE 3. BARO 1012.5. AIR TEMP. DRY 19.5. WET . CLOUD. TYPE AS. AMT 07. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.98	32.620	5.10							0	20.98	32.620	5.10	22.71	515	514	0.0000
10	20.98	32.620	5.00							10	20.98	32.620	5.00	22.71	515	515	0.0515

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	21.02	32.640	5.00							20	21.02	32.640	5.00	22.71	514	515	0.1030
30	21.66	33.050	4.90							30	21.66	33.050	4.90	22.85	501	502	0.1538
50	12.32	33.090	4.50							50	12.32	33.090	4.50	25.06	290	291	0.2332
75	11.74	33.240	4.39							75	11.74	33.240	4.39	25.29	269	270	0.3034

KOREA .BUSAN 852 , STATION 313-07 , 33-24.4. N, 125-00.0. E, OCT.17.1983. 03:30 KST. DEPTH 72 ., COLOR , TRANS.

WAVE NE 2, SWELL NE 2, WIND NE 3, BARO 1012. , AIR TEMP. DRY 19.6, WET , CLOUD. TYPE AS, AMT 07, WEATHER BC.

0	21.69	32.220	4.93							0	21.69	32.220	4.93	22.21	562	562	0.0000
10	21.92	32.280	5.00							10	21.92	32.280	5.00	22.19	564	564	0.0563
20	22.19	32.490	4.92							20	22.19	32.490	4.92	22.28	556	556	0.1123
30	22.55	33.040	4.90							30	22.55	33.040	4.90	22.59	526	526	0.1665
50	10.92	33.320	4.63							50	10.92	33.320	4.63	25.50	249	249	0.2441
69	10.63	33.400	4.42														

KOREA .BUSAN 852 , STATION 313-08 , 33-24.4. N, 124-48.0. E, OCT.17.1983, 02:10 KST. DEPTH 76. , COLOR . TRANS.

WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1012.5, AIR TEMP. DRY 19.6, WET , CLOUD. TYPE AS. AMT 07, WEATHER BC.

0	20.83	31.730	5.13							0	20.83	31.730	5.13	22.07	575	575	0.0000
10	20.83	31.710	5.10							10	20.83	31.710	5.10	22.06	577	577	0.0576
20	21.64	32.220	4.98							20	21.64	32.220	4.98	22.23	561	561	0.1145
30	22.74	32.760	4.81							30	22.74	32.760	4.81	22.33	551	552	0.1702
50	12.09	33.170	4.61							50	12.09	33.170	4.61	25.17	280	281	0.2536
73	10.73	33.370	4.42														

KOREA .BUSAN 852 . STATION 313-09 . 33-24.4. N, 124-36.0. E, OCT.17.1983, 00:50 KST, DEPTH 75 . COLOR . TRANS.

WAVE NE 3, SWELL NE 2. WIND NE 3. BARO 1012.5, AIR TEMP. DRY 19.5, WET , CLOUD. TYPE AS, AMT 07, WEATHER BC.

0	20.80	31.590	5.10							0	20.80	31.590	5.10	21.97	585	584	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	20.79	31.550	5.10							10	20.79	31.550	5.10	21.95	587	587	0.0586
20	20.77	31.540	5.10							20	20.77	31.540	5.10	21.94	588	588	0.1174
30	12.43	32.440	4.73							30	12.43	32.440	4.73	24.54	340	340	0.1639
50	10.67	33.380	4.77							50	10.67	33.380	4.77	25.59	240	241	0.2221
72	10.63	33.450	4.52														

KOREA .BUSAN 852 . STATION 313-10 . 33-24.4. N. 124-24.0. E. OCT.16.1983, 23:30 KST. DEPTH 68 . COLOR . TRANS. .

WAVE NE 3. SWELL NE 1. WIND NE 3. BARO 1011. . AIR TEMP. DRY 19.4. WET . CLOUD. TYPE AS. AMT 09. WEATHER C .

0	20.70	31.400	5.19							0	20.70	31.400	5.19	21.86	596	596	0.0000
10	20.57	31.360	5.10							10	20.57	31.360	5.10	21.86	596	596	0.0596
20	20.51	31.400	4.89							20	20.51	31.400	4.89	21.91	591	592	0.1190
30	14.69	32.660	4.54							30	14.69	32.660	4.54	24.25	367	368	0.1670
50	11.07	33.340	4.42							50	11.07	33.340	4.42	25.49	250	250	0.2289
65	10.67	33.520	4.52														

12月(December)

KOREA .BUSAN 852 . STATION 313-02 . 33-24.4. N. 126-00.0. E. DEC.11.1983. 06:40 KST. DEPTH 90. . COLOR . TRANS. .

WAVE NW 4. SWELL NW 3. WIND NW 7. BARO 1018. . AIR TEMP. DRY 8.3. WET . CLOUD. TYPE SC. AMT 09. WEATHER C .

0	16.56	33.850	5.29							0	16.56	33.850	5.29	24.75	320	319	0.0000
10	16.59	34.840	5.26							10	16.59	34.840	5.26	25.50	248	248	0.0284
20	16.61	33.830	5.23							20	16.61	33.830	5.23	24.72	322	323	0.0570
30	16.58	******	5.26							30	16.58	33.826	5.26	24.73	322	323	0.0893
50	16.50	33.820	5.29							50	16.50	33.820	5.29	24.74	321	322	0.1538
75	16.49	33.820	5.20							75	16.49	33.820	5.20	24.74	320	322	0.2345
85	16.49	33.840	5.09														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 313-03 . 33-24.4. N. 125-46.0. E. DEC.11.1983. 05:20 KST. DEPTH 92 . COLOR . TRANS. .																	
WAVE NW 4. SWELL NW 3. WIND NW 7, BARO 1018. . AIR TEMP. DRY 8.5, WET . CLOUD. TYPE SC, AMT 08. WEATHER C .																	
0	16.87	33.820	5.41							0	16.87	33.820	5.41	24.65	329	329	0.0000
10	16.85	******	5.31							10	16.85	33.820	5.31	24.66	328	328	0.0328
20	16.85	33.820	5.32							20	16.85	33.820	5.32	24.66	328	329	0.0658
30	16.84	33.830	5.31							30	16.84	33.830	5.31	24.67	327	328	0.0986
50	16.84	33.850	5.29							50	16.84	33.850	5.29	24.68	326	327	0.1643
75	16.80	******	5.29							75	16.80	33.964	5.29	24.78	317	319	0.2451
87	16.62	34.020	4.80														
KOREA .BUSAN 852 . STATION 313-04 , 33-24.4. N. 125-36.0. E. DEC.11.1983. 04:10 KST. DEPTH 88 . COLOR . TRANS. .																	
WAVE NW 4, SWELL NW 3, WIND NW 7, BARO 1018. . AIR TEMP. DRY 9.0. WET . CLOUD. TYPE SC. AMT 08. WEATHER C ,																	
0	16.30	33.560	5.49							0	16.30	33.560	5.49	24.59	335	335	0.0000
10	16.60	33.640	5.44							10	16.60	33.640	5.44	24.58	336	336	0.0335
20	16.60	33.650	5.39							20	16.60	33.650	5.39	24.59	335	336	0.0672
30	16.64	33.650	*****							30	16.64	33.650	5.42	24.58	336	337	0.1008
50	16.61	33.650	5.49							50	16.61	33.650	5.49	24.59	335	337	0.1683
75	16.63	33.730	5.39							75	16.63	33.730	5.39	24.64	330	332	0.2520
83	16.50	33.970	4.78														
KOREA .BUSAN 852 . STATION 313-05 . 33-24.4. N. 125-24.0. E, DEC.11.1983. 02:50 KST. DEPTH 84 . COLOR . TRANS. .																	
WAVE NW 4, SWELL NW 3, WIND NW 7. BARO 1017.5, AIR TEMP. DRY 9.2, WET . . CLOUD. TYPE SC. AMT 08. WEATHER C .																	
0	17.35	33.900	5.76							0	17.35	33.900	5.76	24.60	334	334	0.0000
10	17.34	33.900	5.78							10	17.34	33.900	5.78	24.60	334	334	0.0334
20	17.35	33.910	5.32							20	17.35	33.910	5.32	24.61	333	333	0.0668

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	17.34	33.940	5.34							30	17.34	33.940	5.34	24.64	331	331	0.1000
50	17.36	33.920	5.26							50	17.36	33.920	5.26	24.62	333	334	0.1667
75	17.63	34.080	5.10							75	17.63	34.080	5.10	24.67	327	329	0.2496
KOREA .BUSAN 852 , STATION 313-06 . 33-24.4. N, 125-12.0. E, DEC.11.1983, 01:40 KST, DEPTH 80 ., COLOR . TRANS. .																	
WAVE NW 4, SWELL NW 3, WIND NW 6, BARO 1018. , AIR TEMP. DRY 10.0. WET , CLOUD. TYPE SC, AMT 08, WEATHER C .																	
0	14.31	32.960	5.59							0	14.31	32.960	5.59	24.56	338	337	0.0000
10	14.28	32.960	5.69							10	14.28	32.960	5.69	24.57	337	337	0.0337
20	14.30	32.950	5.59							20	14.30	32.950	5.59	24.56	338	338	0.0675
30	14.30	32.960	5.61							30	14.30	32.960	5.61	24.57	337	338	0.1014
50	14.31	32.970	5.59							50	14.31	32.970	5.59	24.57	337	338	0.1690
75	16.31	32.960	5.59							75	16.31	32.960	5.59	24.13	379	381	0.2590
KOREA .BUSAN 852 , STATION 313-07 , 33-24.4. N, 125-00.0. E, DEC.11.1983, 00:30 KST. DEPTH 72 , COLOR . TRANS. .																	
WAVE NW 4, SWELL NW 3, WIND NW 6, BARO 1018. . AIR TEMP. DRY 11.2, WET . CLOUD. TYPE SC, AMT 08, WEATHER C .																	
0	14.72	32.880	5.54							0	14.72	32.880	5.54	24.42	352	351	0.0000
10	14.72	32.870	5.57							10	14.72	32.870	5.57	24.41	352	352	0.0352
20	14.74	32.870	5.54							20	14.74	32.870	5.54	24.40	353	353	0.0705
30	14.73	32.890	5.54							30	14.73	32.890	5.54	24.42	351	352	0.1058
50	14.74	32.940	5.51							50	14.74	32.940	5.51	24.46	348	349	0.1759
69	16.52	33.800	5.31														
KOREA .BUSAN 852 , STATION 313-08 , 33-24.4. N, 124-48.0. E, DEC.10.1983. 23:20 KST. DEPTH 76 . COLOR . TRANS. .																	
WAVE NW 4, SWELL NW 3, WIND NW 6, BARO 1017.5, AIR TEMP. DRY 11.2, WET . CLOUD. TYPE SC. AMT 08, WEATHER C .																	
0	15.46	33.070	5.68							0	15.46	33.070	5.68	24.40	353	353	0.0000
10	15.45	33.090	5.49							10	15.45	33.090	5.49	24.42	351	351	0.0352

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	15.46	33.080	5.49							20	15.46	33.080	5.49	24.41	352	353	0.0705
30	15.48	33.080	5.48							30	15.48	33.080	5.48	24.40	353	353	0.1056
50	15.50	33.100	5.44							50	15.50	33.100	5.44	24.41	352	353	0.1765
70	16.50	33.760	5.13														

KOREA .BUSAN 852 . STATION 313-09 , 33-24.4. N. 124-36.0. E, DEC.10.1983, 22:10 KST, DEPTH 70 . COLOR , TRANS. .
WAVE NW 4, SWELL NW 3. WIND NW 6. BARO 1017. . AIR TEMP. DRY 11.1, WET , CLOUD. TYPE SC. AMT 08, WEATHER C .

0	14.66	32.900	5.66							0	14.66	32.900	5.66	24.44	349	349	0.0000
10	14.65	32.900	5.69							10	14.65	32.900	5.69	24.45	349	349	0.0349
20	14.70	32.880	5.70							20	14.70	32.880	5.70	24.42	351	351	0.0699
30	14.69	32.900	5.66							30	14.69	32.900	5.66	24.44	350	350	0.1051
50	15.05	32.930	5.59							50	15.05	32.930	5.59	24.38	355	356	0.1757
57	16.26	33.750	5.12														

KOREA .BUSAN 852 . STATION 313-10 . 33-24.4. N. 124-24.0. E. DEC.10.1983. 21:00 KST. DEPTH 68 . COLOR . TRANS. .
WAVE NW 4. SWELL NW 3, WIND NW 6, BARO 1017. . AIR TEMP. DRY 11.4, WET . CLOUD. TYPE SC, AMT 08, WEATHER C .

0	14.62	32.860	5.54							0	14.62	32.860	5.54	24.42	351	351	0.0000
10	14.64	32.850	5.52							10	14.64	32.850	5.52	24.41	352	352	0.0352
20	14.65	32.850	5.54							20	14.65	32.850	5.54	24.41	352	353	0.0704
30	14.65	32.840	5.57							30	14.65	32.840	5.57	24.40	353	354	0.1058
50	14.64	32.860	5.59							50	14.64	32.860	5.59	24.42	352	352	0.1765
65	15.51	32.990	4.90														

2 月(February)

KOREA .BUSAN 852 . STATION 314-00 . 33-00.0. N, 128-00.0. E. FEB. 5.1983. 23:10 KST. DEPTH 155 . COLOR . TRANS. .

WAVE W 3. SWELL NW 2, WIND W 3, BARO 1016. . AIR TEMP. DRY 11.4, WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.70	34.610	5.45							0	16.70	34.610	5.45	25.30	267	267	0.0000
10	16.79	34.590	5.35							10	16.79	34.590	5.35	25.26	271	271	0.0269
20	16.81	34.590	5.35							20	16.81	34.590	5.35	25.26	271	272	0.0541
30	16.82	34.600	5.45							30	16.82	34.600	5.45	25.26	271	271	0.0813
50	16.78	34.590	5.40							50	16.78	34.590	5.40	25.27	271	272	0.1357
75	16.81	34.630	5.48							75	16.81	34.630	5.48	25.29	268	270	0.2037
100	16.68	34.600	5.27							100	16.68	34.600	5.27	25.30	268	270	0.2714
125	16.49	34.590	5.45							125	16.49	34.590	5.45	25.33	264	268	0.3388
150	16.19	34.560	5.25							150	16.19	34.560	5.25	25.38	260	264	0.4053

KOREA .BUSAN 852 . STATION 314-01 . 33-00.0. N. 127-42.0. E. FEB. 6.1983. 01:10 KST. DEPTH 140. . COLOR . TRANS. .

WAVE W 3, SWELL NW 2. WIND W 3. BARO 1015.5, AIR TEMP. DRY 11.4. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.81	34.610	5.42							0	16.81	34.610	5.42	25.27	270	270	0.0000
10	16.80	34.590	5.35							10	16.80	34.590	5.35	25.26	271	271	0.0270
20	16.82	34.610	5.45							20	16.82	34.610	5.45	25.27	270	270	0.0542
30	16.78	34.600	5.31							30	16.78	34.600	5.31	25.27	270	271	0.0813
50	16.83	34.600	5.20							50	16.83	34.600	5.20	25.26	271	272	0.1357
75	16.82	34.600	5.21							75	16.82	34.600	5.21	25.26	271	273	0.2039
100	16.85	34.610	5.25							100	16.85	34.610	5.25	25.26	271	274	0.2725
125	16.84	34.590	5.25							125	16.84	34.590	5.25	25.25	272	275	0.3411

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 314-02 . 33-00.0. N. 127-24.0. E. FEB. 6.1983. 03:05 KST. DEPTH 128 . COLOR . TRANS.																	
WAVE W 3, SWELL NW 1, WIND W 3, BARO 1015. , AIR TEMP. DRY 11.2, WET , CLOUD. TYPE AS, AMT 10, WEATHER C .																	
0	16.85	34.600	5.38							0	16.85	34.600	5.38	25.26	272	271	0.0000
10	16.88	34.600	5.37							10	16.88	34.600	5.37	25.25	272	272	0.0272
20	16.86	34.610	5.35							20	16.86	34.610	5.35	25.26	271	271	0.0544
30	16.86	34.620	5.15							30	16.86	34.620	5.15	25.27	270	271	0.0816
50	16.90	34.600	5.25							50	16.90	34.600	5.25	25.24	273	274	0.1362
75	16.92	34.610	5.23							75	16.92	34.610	5.23	25.25	272	274	0.2048
100	16.93	34.590	5.27							100	16.93	34.590	5.27	25.23	274	277	0.2738
125	16.88	34.590	5.28							125	16.88	34.590	5.28	25.24	273	276	0.3431
KOREA ,BUSAN 852 , STATION 314-03 , 33-00.0. N, 127-06.0. E, FEB. 6.1983, 05:10 KST, DEPTH 105 , COLOR , TRANS.																	
WAVE W 2, SWELL NW 1, WIND W 3, BARO 1015.5, AIR TEMP. DRY 11.6, WET , CLOUD. TYPE AS, AMT 10. WEATHER C .																	
0	16.75	34.610	5.15							0	16.75	34.610	5.15	25.29	269	268	0.0000
10	16.80	34.620	5.27							10	16.80	34.620	5.27	25.28	269	269	0.0269
20	16.78	34.610	5.25							20	16.78	34.610	5.25	25.28	269	270	0.0538
30	16.75	34.600	5.20							30	16.75	34.600	5.20	25.28	269	270	0.0809
50	16.74	34.610	5.35							50	16.74	34.610	5.35	25.29	268	270	0.1349
75	16.79	34.620	5.20							75	16.79	34.620	5.20	25.29	269	271	0.2026
100	16.82	34.600	5.25							100	16.82	34.600	5.25	25.26	271	274	0.2707
KOREA ,BUSAN 852 , STATION 314-04 , 33-00.0. N, 126-48.0. E, FEB. 6.1983, 07:00 KST, DEPTH 102 , COLOR 3. TRANS. 14.0.																	
WAVE W 2, SWELL NW 1, WIND W 3, BARO 1016. , AIR TEMP. DRY 12.0, WET , CLOUD. TYPE AS, AMT 10, WEATHER C .																	
0	16.62	34.560	5.27							0	16.62	34.560	5.27	25.28	269	269	0.0000
10	16.61	34.550	5.25							10	16.61	34.550	5.25	25.27	270	270	0.0269

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	16.70	34.550	5.35							20	16.70	34.550	5.35	25.25	272	272	0.0541
30	16.69	34.580	5.27							30	16.69	34.580	5.27	25.28	269	270	0.0813
50	16.70	34.530	5.30							50	16.70	34.530	5.30	25.24	273	274	0.1358
75	16.67	34.550	5.33							75	16.67	34.550	5.33	25.26	271	273	0.2044
97	16.72	34.550	*****														

KOREA .BUSAN 852 . STATION 314-05 . 33-00.0. N. 126-30.0. E. FEB. 6.1983, 09:00 KST. DEPTH 100 . COLOR 3, TRANS. 14.0.
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1016.5, AIR TEMP. DRY 12.3, WET . CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	15.35	34.510	5.61							0	15.35	34.510	5.61	25.53	245	245	0.0000
10	15.36	34.500	5.40							10	15.36	34.500	5.40	25.52	246	246	0.0246
20	15.39	34.480	5.54							20	15.39	34.480	5.54	25.50	249	249	0.0494
30	15.37	34.480	5.64							30	15.37	34.480	5.64	25.50	248	249	0.0743
50	15.38	34.500	5.34							50	15.38	34.500	5.34	25.52	247	248	0.1241
75	15.33	34.500	5.30							75	15.33	34.500	5.30	25.53	246	248	0.1861
95	15.39	34.510	5.20														

KOREA .BUSAN 852 . STATION 314-06 . 33-00.0. N, 126-12.0. E, FEB. 8.1983, 08:35 KST. DEPTH 115 . COLOR . TRANS.
WAVE W 3, SWELL NW 2, WIND W 4, BARO 1017.5, AIR TEMP. DRY 7.2, WET . CLOUD. TYPE AS, AMT 10, WEATHER C .

0	15.26	34.490	5.45							0	15.26	34.490	5.45	25.54	245	245	0.0000
10	15.24	34.490	5.25							10	15.24	34.490	5.25	25.54	245	245	0.0245
20	15.28	34.500	5.25							20	15.28	34.500	5.25	25.54	245	245	0.0490
30	15.24	34.490	5.17							30	15.24	34.490	5.17	25.54	245	245	0.0736
50	15.25	34.500	5.17							50	15.25	34.500	5.17	25.55	244	245	0.1227
75	15.24	******	5.20							75	15.24	34.510	5.20	25.56	243	245	0.1841
100	15.31	34.520	5.07							100	15.31	34.520	5.07	25.55	244	246	0.2456

KOREA .BUSAN 852 , STATION 314-07 , 33-00.0. N. 125-54.0. E, FEB.10.1983, 11:35 KST, DEPTH 95 . , COLOR 5. TRANS. 9.0.
WAVE N 3, SWELL NW 2. WIND N 4. BARO 1021.5. AIR TEMP. DRY 6.0. WET , CLOUD. TYPE CI, AMT 05. WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.33	34.420	5.84							0	15.33	34.420	5.84	25.47	252	251	0.0000
10	15.36	34.430	5.45							10	15.36	34.430	5.45	25.47	252	252	0.0251
20	15.33	34.440	5.35							20	15.33	34.440	5.35	25.48	250	250	0.0503
30	15.30	34.440	5.30							30	15.30	34.440	5.30	25.49	250	250	0.0754
50	15.33	34.420	5.35							50	15.33	34.420	5.35	25.47	252	253	0.1257
75	15.33	34.450	5.45							75	15.33	34.450	5.45	25.49	249	251	0.1889
90	15.31	34.430	5.54														

KOREA .BUSAN 852 . STATION 314-08 . 33-00.0. N. 125-36.0. E. FEB.10.1983. 13:25 KST. DEPTH 92 . COLOR 5. TRANS. 10.0.
WAVE N 3. SWELL NW 2. WIND N 4. BARO 1021.5, AIR TEMP. DRY 7.4. WET . CLOUD. TYPE CI, AMT 05, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.17	34.460	5.66							0	15.17	34.460	5.66	25.53	245	245	0.0000
10	15.15	34.460	5.64							10	15.15	34.460	5.64	25.54	245	245	0.0245
20	15.15	34.460	5.62							20	15.15	34.460	5.62	25.54	245	245	0.0491
30	15.17	34.450	5.54							30	15.17	34.450	5.54	25.52	246	247	0.0737
50	15.15	34.450	5.62							50	15.15	34.450	5.62	25.53	246	247	0.1231
75	15.13	34.450	5.64							75	15.13	34.450	5.64	25.53	245	247	0.1850
90	15.16	34.470	5.66														

KOREA .BUSAN 852 . STATION 314-09 . 33-00.0. N. 125-18.0. E. FEB.10.1983. 15:15 KST. DEPTH 8[illegible] . COLOR 5. TRANS. 6.0.
WAVE N 2. SWELL N 2. WIND N 2. BARO 1021.5. AIR TEMP. DRY 6.4, WET . CLOUD. TYPE CI. AMT 06. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	14.24	34.180	5.94							0	14.24	34.180	5.94	25.52	247	246	0.0000
10	14.14	34.130	5.76							10	14.14	34.130	5.76	25.50	248	248	0.0247
20	13.93	34.070	5.84							20	13.93	34.070	5.84	25.50	249	249	0.0497

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	13.92	34.080	5.81							30	13.92	34.080	5.81	25.51	248	248	0.0746
50	13.91	34.080	5.87							50	13.91	34.080	5.87	25.51	248	249	0.1243
75	13.98	******	5.94							75	13.98	******	5.94	*****	***	***	******

KOREA ,BUSAN 852 , STATION 314-10 , 33-00.0. N. 125-00.0. E. FEB.10.1983. 17:10 KST. DEPTH 80 , COLOR 5. TRANS. 6.0.
WAVE N 2, SWELL N 2, WIND N 2, BARO 1021.5, AIR TEMP. DRY 6.4. WET , CLOUD. TYPE SC, AMT 07, WEATHER BC,

0	13.44	33.890	6.09							0	13.44	33.890	6.09	25.46	252	252	0.0000
10	13.45	33.870	5.94							10	13.45	33.870	5.94	25.44	254	254	0.0253
20	13.32	33.870	5.86							20	13.32	33.870	5.86	25.47	251	252	0.0506
30	13.27	33.880	5.87							30	13.27	33.880	5.87	25.49	250	250	0.0758
50	13.37	33.920	5.89							50	13.37	33.920	5.89	25.50	249	250	0.1258
75	13.46	34.010	5.84							75	13.46	34.010	5.84	25.55	244	245	0.1878

4 月(April)

KOREA ,BUSAN 852 , STATION 314-00 , 33-00.0. N. 128-00.0. E. APR.11.1983, 00:45 KST. DEPTH 160 , COLOR . TRANS. .
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1004.5, AIR TEMP. DRY 15.0, WET . CLOUD. TYPE NS, AMT 10, WEATHER C .

0	15.79	34.560	6.00							0	15.79	34.560	6.00	25.47	251	251	0.0000
10	15.79	34.530	5.90							10	15.79	34.530	5.90	25.45	253	253	0.0252
20	15.79	34.530	5.90							20	15.79	34.530	5.90	25.45	253	254	0.0506
30	15.72	34.550	6.05							30	15.72	34.550	6.05	25.48	250	251	0.0759
50	15.47	34.560	5.80							50	15.47	34.560	5.80	25.54	244	245	0.1256
75	14.91	34.580	5.30							75	14.91	34.580	5.30	25.68	231	233	0.1856
100	14.48	34.570	5.05							100	14.48	34.570	5.05	25.77	223	225	0.2430
125	14.49	34.570	4.95							125	14.49	34.570	4.95	25.76	223	226	0.2996
150	13.85	34.530	4.50							150	13.85	34.530	4.50	25.87	213	217	0.3552

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 314-01 . 33-00.0. N. 127-42.0. E. APR.11.1983. 03:00 KST. DEPTH 138 . COLOR . TRANS.																	
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1004.5, AIR TEMP. DRY 15.0, WET , CLOUD. TYPE NS. AMT 10. WEATHER R .																	
0	15.79	34.520	6.00							0	15.79	34.520	6.00	25.44	254	254	0.0000
10	16.00	34.490	6.05							10	16.00	34.490	6.05	25.37	261	261	0.0257
20	16.00	34.500	6.10							20	16.00	34.500	6.10	25.38	260	260	0.0518
30	16.01	34.510	5.90							30	16.01	34.510	5.90	25.38	260	260	0.0779
50	16.01	34.530	5.85							50	16.01	34.530	5.85	25.40	258	259	0.1300
75	15.60	34.610	5.75							75	15.60	34.610	5.75	25.55	243	245	0.1932
100	15.51	34.630	5.65							100	15.51	34.630	5.65	25.59	240	243	0.2543
125	15.52	34.590	5.60							125	15.52	34.590	5.60	25.55	243	246	0.3156
133	15.86	34.600	5.60														
KOREA .BUSAN 852 , STATION 314-02 , 33-00.0. N, 127-24.0. E, APR.11.1983. 05:00 KST, DEPTH 125 , COLOR , TRANS.																	
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1004.5, AIR TEMP. DRY 15.4, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	15.40	34.270	5.90							0	15.40	34.270	5.90	25.34	264	264	0.0000
10	15.70	34.410	6.00							10	15.70	34.410	6.00	25.38	260	260	0.0262
20	15.67	34.540	6.10							20	15.67	34.540	6.10	25.48	250	250	0.0518
30	15.63	34.440	5.95							30	15.63	34.440	5.95	25.41	257	257	0.0772
50	15.72	34.450	6.00							50	15.72	34.450	6.00	25.40	258	259	0.1289
75	15.58	34.540	5.90							75	15.58	34.540	5.90	25.50	248	250	0.1926
100	15.59	34.530	5.70							100	15.59	34.530	5.70	25.49	249	252	0.2555
120	15.58	34.530	5.80														
KOREA .BUSAN 852 , STATION 314-03 , 33-00.0. N, 127-06.0. E, APR.11.1983, 06:40 KST, DEPTH 108 , COLOR . TRANS.																	
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1004.5, AIR TEMP. DRY 15.4, WET , CLOUD. TYPE NS, AMT 10, WEATHER C .																	
0	16.09	34.500	6.10							0	16.09	34.500	6.10	25.36	262	262	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.10	34.520	6.10							10	16.10	34.520	6.10	25.37	261	261	0.0261
20	16.08	34.530	6.10							20	16.08	34.530	6.10	25.38	260	260	0.0522
30	16.08	34.580	6.10							30	16.08	34.580	6.10	25.42	256	257	0.0781
50	15.92	34.580	5.80							50	15.92	34.580	5.80	25.46	253	254	0.1292
75	15.76	34.590	5.70							75	15.76	34.590	5.70	25.50	248	250	0.1923
100	15.64	34.610	5.55							100	15.64	34.610	5.55	25.54	244	247	0.2546

KOREA .BUSAN 852 . STATION 314-04 , 33-00.0. N, 126-48.0. E. APR.11.1983. 08:25 KST. DEPTH 100. , COLOR 3. TRANS. 11.0,
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1005. , AIR TEMP. DRY 15.7, WET , CLOUD. TYPE NS, AMT 09, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.63	34.460	6.20							0	15.63	34.460	6.20	25.43	255	255	0.0000
10	15.60	34.460	6.10							10	15.60	34.460	6.10	25.44	254	254	0.0255
20	15.57	34.520	5.90							20	15.57	34.520	5.90	25.49	249	250	0.0507
30	15.58	34.540	5.90							30	15.58	34.540	5.90	25.50	248	249	0.0757
50	15.41	34.560	5.85							50	15.41	34.560	5.85	25.56	243	244	0.1251
75	15.55	34.570	5.90							75	15.55	34.570	5.90	25.53	245	247	0.1866
95	15.31	34.550	5.70														

KOREA .BUSAN 852 . STATION 314-05 , 33-00.0. N, 126-30.0. E, APR.11.1983. 10:15 KST. DEPTH 106 . COLOR 3. TRANS. 12.0.
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1005.5, AIR TEMP. DRY 16.5, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.29	34.360	6.20							0	15.29	34.360	6.20	25.43	255	255	0.0000
10	15.20	34.420	6.10							10	15.20	34.420	6.10	25.50	249	249	0.0252
20	15.17	34.470	6.00							20	15.17	34.470	6.00	25.54	245	245	0.0499
30	15.12	34.470	5.85							30	15.12	34.470	5.85	25.55	244	244	0.0744
50	15.00	34.470	6.05							50	15.00	34.470	6.05	25.58	241	242	0.1232
75	14.77	34.460	5.90							75	14.77	34.460	5.90	25.62	237	239	0.1834
100	14.73	34.460	5.90							100	14.73	34.460	5.90	25.63	236	239	0.2432

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 314-06 , 33-00.0. N. 126-12.0. E, APR.12.1983. 10:00 KST. DEPTH 108 . COLOR 3. TRANS. 10.0.																	
WAVE NE 1. SWELL NE 1, WIND NE 1, BARO 1012. , AIR TEMP. DRY 16.6, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC,																	
0	15.17	34.390	6.25							0	15.17	34.390	6.25	25.48	250	250	0.0000
10	15.05	34.350	6.30							10	15.05	34.350	6.30	25.47	251	251	0.0251
20	15.04	34.450	6.20							20	15.04	34.450	6.20	25.55	243	244	0.0498
30	14.97	34.450	6.05							30	14.97	34.450	6.05	25.57	242	242	0.0742
50	15.11	34.480	6.15							50	15.11	34.480	6.15	25.56	243	244	0.1229
75	14.93	34.480	6.10							75	14.93	34.480	6.10	25.60	239	241	0.1836
100	14.78	34.470	6.10							100	14.78	34.470	6.10	25.63	237	239	0.2436
KOREA .BUSAN 852 , STATION 314-07 , 33-00.0. N, 125-54.0. E, APR.12.1983. 11:45 KST. DEPTH 90 . COLOR 3. TRANS. 11.0.																	
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1012. , AIR TEMP. DRY 20.8, WET , CLOUD. TYPE AC, AMT 07, WEATHER BC.																	
0	14.89	34.300	6.40							0	14.89	34.300	6.40	25.47	251	251	0.0000
10	14.75	34.290	6.25							10	14.75	34.290	6.25	25.49	249	249	0.0250
20	14.78	34.300	6.20							20	14.78	34.300	6.20	25.49	249	249	0.0500
30	15.04	34.320	6.15							30	15.04	34.320	6.15	25.45	253	253	0.0751
50	14.79	34.360	6.10							50	14.79	34.360	6.10	25.54	245	246	0.1252
75	14.82	34.490	6.00							75	14.82	34.490	6.00	25.63	236	238	0.1857
85	14.77	34.460	6.10														
KOREA .BUSAN 852 . STATION 314-08 . 33-00.0. N, 125-36.0. E. APR.12.1983. 13:30 KST. DEPTH 100 . COLOR 3, TRANS. 12.0,																	
WAVE NE 1. SWELL NE 1. WIND NE 1, BARO 1012. . AIR TEMP. DRY 15.4. WET . CLOUD. TYPE CS. AMT 07. WEATHER BC.																	
0	14.98	******	6.60							0	14.98	******	6.60	*****	***	***	******
10	14.82	34.350	6.35							10	14.82	34.350	6.35	25.52	246	246	******
20	14.82	34.310	6.32							20	14.82	34.310	6.32	25.49	249	249	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	14.80	34.310	6.32							30	14.80	34.310	6.32	25.50	249	249	******
50	14.80	34.360	5.90							50	14.80	34.360	5.90	25.54	245	246	******
75	14.52	34.440	5.90							75	14.52	34.440	5.90	25.66	233	235	******
95	14.48	34.430	5.70														

KOREA .BUSAN 852 . STATION 314-09 . 33-00.0. N. 125-18.0. E. APR.12.1983. 15:15 KST. DEPTH 80 . COLOR 3. TRANS. 11.0.
WAVE NE 1. SWELL NE 1. WIND NE 1. BARO 1012. . AIR TEMP. DRY 15.7. WET . CLOUD. TYPE CS. AMT 07. WEATHER BC.

0	13.80	33.750	6.50							0	13.80	33.750	6.50	25.28	270	269	0.0000
10	13.27	33.780	6.35							10	13.27	33.780	6.35	25.41	257	257	0.0263
20	12.83	33.780	6.35							20	12.83	33.780	6.35	25.50	249	249	0.0517
30	13.55	34.180	6.20							30	13.55	34.180	6.20	25.66	233	234	0.0758
50	13.50	34.210	6.00							50	13.50	34.210	6.00	25.69	230	231	0.1224
75	13.49	34.240	5.80							75	13.49	34.240	5.80	25.72	228	229	0.1800

KOREA .BUSAN 852 . STATION 314-10 . 33-00.0. N. 125-00.0. E. APR.12.1983. 17:00 KST. DEPTH 75 . COLOR 3. TRANS. 10.0.
WAVE NE 1. SWELL NE 1. WIND NE 2. BARO 1010.5. AIR TEMP. DRY 14.8. WET . CLOUD. TYPE CS. AMT 07. WEATHER BC.

0	12.79	33.230	6.80							0	12.79	33.230	6.80	25.08	268	268	0.0000
10	12.29	33.600	6.80							10	12.29	33.600	6.80	25.46	252	252	0.0270
20	12.35	33.800	6.75							20	12.35	33.800	6.75	25.61	238	239	0.0516
30	12.69	33.960	6.40							30	12.69	33.960	6.40	25.66	233	233	0.0752
50	12.88	34.000	6.30							50	12.88	34.000	6.30	25.66	233	234	0.1221
70	12.86	33.990	6.10														

6 月(June)

KOREA .BUSAN 852 , STATION 314-00 , 33-00.0. N, 128-00.0. E, JUN.10.1983, 22:45 KST, DEPTH 150 , COLOR , TRANS.

WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1009.5, AIR TEMP. DRY 20.6, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	21.79	33.670	5.52							0	21.79	33.670	5.52	23.28	460	459	0.0000
10	21.76	******	5.47							10	21.76	33.705	5.47	23.32	456	456	0.0458
20	21.71	33.740	5.47							20	21.71	33.740	5.47	23.36	453	453	0.0913
30	20.79	33.870	5.52							30	20.79	33.870	5.52	23.71	419	420	0.1350
50	19.03	34.060	5.49							50	19.03	34.060	5.49	24.31	362	363	0.2134
75	16.38	34.130	5.43							75	16.38	34.130	5.43	25.01	295	297	0.2960
100	15.95	34.160	5.33							100	15.95	34.160	5.33	25.13	284	286	0.3691
125	15.15	34.340	5.28							125	15.15	34.340	5.28	25.44	254	257	0.4371
145	14.87	34.340	4.98														

KOREA .BUSAN 852 , STATION 314-01 , 33-00.0. N, 127-42.0. E, JUN.11.1983, 00:40 KST, DEPTH 140 . , COLOR , TRANS.

WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1010. , AIR TEMP. DRY 20.6, WET , CLOUD. TYPE , AMT 00, WEATHER B .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.80	32.490	5.87							0	20.80	32.490	5.87	22.66	519	519	0.0000
10	20.43	32.670	5.77							10	20.43	32.670	5.77	22.89	497	497	0.0508
20	19.73	33.270	5.67							20	19.73	33.270	5.67	23.53	436	436	0.0975
30	18.46	33.950	5.57							30	18.46	33.950	5.57	24.37	356	357	0.1372
50	17.64	34.220	5.52							50	17.64	34.220	5.52	24.78	317	318	0.2048
75	15.92	34.280	5.13							75	15.92	34.280	5.13	25.23	274	276	0.2793
100	14.78	34.380	5.07							100	14.78	34.380	5.07	25.56	243	246	0.3446
125	14.62	34.510	4.68							125	14.62	34.510	4.68	25.69	230	233	0.4046
135	14.09	34.510	4.33														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,BUSAN 852 , STATION 314-02 . 33-00.0. N. 127-24.0. E, JUN.11.1983. 02:30 KST. DEPTH 124 . . COLOR . TRANS. ;																	
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1010.5, AIR TEMP. DRY 20.6, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	21.20	32.630	5.62							0	21.20	32.630	5.62	22.66	520	519	0.0000
10	20.37	32.600	5.47							10	20.37	32.600	5.47	22.85	501	501	0.0510
20	19.80	32.630	5.47							20	19.80	32.630	5.47	23.03	484	485	0.1003
30	18.15	33.530	5.42							30	18.15	33.530	5.42	24.13	379	380	0.1436
50	16.10	34.190	5.42							50	16.10	34.190	5.42	25.12	285	286	0.2103
75	15.14	34.440	5.37							75	15.14	34.440	5.37	25.52	246	248	0.2771
100	14.88	34.510	5.07							100	14.88	34.510	5.07	25.63	236	238	0.3380
122	14.67	34.500	4.98														
KOREA ,BUSAN 852 , STATION 314-03 , 33-00.0. N, 127-06.0. E, JUN.11.1983, 04:15 KST, DEPTH 108 , COLOR , TRANS. ,																	
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1010.5, AIR TEMP. DRY 20.0, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	20.71	32.770	5.77							0	20.71	32.770	5.77	22.89	497	497	0.0000
10	20.32	32.800	5.67							10	20.32	32.800	5.67	23.02	485	485	0.0491
20	20.21	32.940	5.47							20	20.21	32.940	5.47	23.15	472	472	0.0970
30	20.01	33.080	5.47							30	20.01	33.080	5.47	23.31	457	457	0.1435
50	16.77	33.860	5.42							50	16.77	33.860	5.42	24.71	324	325	0.2218
75	14.53	34.350	5.27							75	14.53	34.350	5.27	25.59	240	242	0.2928
100	14.52	34.380	5.27							100	14.52	34.380	5.27	25.61	238	240	0.3532
KOREA ,BUSAN 852 , STATION 314-04 , 33-00.0. N, 126-48.0. E, JUN.11.1983, 06:10 KST, DEPTH 100 , COLOR , TRANS. ,																	
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1011. , AIR TEMP. DRY 20.5, WET , CLOUD. TYPE SC, AMT 05, WEATHER BC,																	
0	20.29	32.970	5.72							0	20.29	32.970	5.72	23.16	472	471	[illegible]
10	20.21	32.990	5.67							10	20.21	32.990	5.67	23.19	466	466	0.047[illegible]

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	19.97	33.140	5.62							20	19.97	33.140	5.62	23.77	451	452	0.0970
30	19.10	33.400	5.57							30	19.10	33.400	5.57	23.79	411	412	0.1365
50	15.71	34.020	5.57							50	15.71	34.020	5.57	25.07	289	290	0.2066
75	14.50	34.330	5.52							75	14.50	34.330	5.52	25.58	241	243	0.2733
98	14.42	34.460	5.47														

KOREA .BUSAN 852 . STATION 314-05 . 33-00.0. N. 126-30.0. E. JUN.11.1983. 08:[illegible] KST. DEPTH 11[illegible] . COLOR 2. TRANS. 15.0.
WAVE NE 2. SWELL NE 1. WIND E 3. BARO 1011.5. AIR TEMP. DRY 2[illegible].9. WET . CLOUD. TYPE SC. AMT 07. WEATHER BC.

0	19.30	32.880	5.77							0	19.30	32.880	5.77	23.34	454	454	0.0000
10	19.14	32.880	5.72							10	19.14	32.880	5.72	23.38	450	450	0.0452
20	19.27	33.260	5.67							20	19.27	33.260	5.67	23.64	426	426	0.0890
30	19.26	33.390	5.57							30	19.26	33.390	5.57	23.74	416	416	0.1312
50	17.13	33.790	5.52							50	17.13	33.790	5.52	24.57	337	338	0.2067
75	15.09	34.320	5.47							75	15.09	34.320	5.47	25.44	254	256	0.2811
100	14.70	34.380	5.17							100	14.70	34.380	5.17	25.57	241	244	0.3437

KOREA ,BUSAN 852 . STATION 314-06 . 33-00.0. N. 126-12.0. E. JUN.11.1983. 09:50 KST. DEPTH 103 . COLOR 2. TRANS. 14.0.
WAVE NE 2. SWELL NE 1. WIND NE 3. BARO 1011. , AIR TEMP. DRY 20.2. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

0	19.94	33.330	5.57							0	19.94	33.330	5.57	23.52	437	437	0.0000
10	19.90	33.310	5.47							10	19.90	33.310	5.47	23.52	437	437	0.0437
20	19.08	33.520	5.42							20	19.08	33.520	5.42	23.89	402	402	0.0857
30	17.88	33.830	5.37							30	17.88	33.830	5.37	24.42	351	352	0.1235
50	17.18	34.110	5.27							50	17.18	34.110	5.27	24.80	315	316	0.1904
75	16.02	34.290	5.37							75	16.02	34.290	5.37	25.21	276	278	0.2647
100	16.00	34.310	5.37							100	16.00	34.310	5.37	25.23	274	277	0.3341

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 314-07 , 33-06.0. N, 125-54.0. E. JUN.11.1983, 10:35 KST. DEPTH 90 . COLOR 2. TRANS. 15.0,																	
WAVE SE 2. SWELL SE 2. WIND SE 3. BARO 1011. . AIR TEMP. DRY 20.8. WET . CLOUD. TYPE AS. AMT 05. WEATHER BC.																	
0	19.64	33.740	5.67							0	19.64	33.740	5.67	23.91	400	399	0.0000
10	19.30	33.760	5.77							10	19.30	33.760	5.77	24.01	390	390	0.0395
20	18.17	34.010	5.82							20	18.17	34.010	5.82	24.49	345	345	0.0763
30	17.08	34.230	5.77							30	17.08	34.230	5.77	24.92	304	304	0.1088
50	15.48	34.340	5.42							50	15.48	34.340	5.42	25.37	261	262	0.1655
75	14.95	34.380	5.37							75	14.95	34.380	5.37	25.52	247	248	0.2294
85	14.91	34.380	5.27														
KOREA .BUSAN 852 , STATION 314-08 . 33-00.0. N, 125-36.0. E. JUN.11.1983, 13:20 KST. DEPTH 90 , COLOR 2. TRANS. 17.0.																	
WAVE ESE 2. SWELL ESE 2. WIND ESE 3, BARO 1010. . AIR TEMP. DRY 20.4. WET . CLOUD. TYPE CI. AMT 05. WEATHER BC,																	
0	19.40	32.920	5.57							0	19.40	32.920	5.57	23.35	453	453	0.0000
10	19.39	32.880	5.62							10	19.39	32.880	5.62	23.32	456	456	0.0455
20	19.16	33.400	5.67							20	19.16	33.400	5.67	23.78	413	413	0.0890
30	18.70	33.600	5.62							30	18.70	33.600	5.62	24.04	387	388	0.1291
50	13.55	34.000	5.47							50	13.55	34.000	5.47	25.52	246	247	0.1927
75	13.56	34.030	5.37							75	13.56	34.030	5.37	25.54	244	246	0.2544
85	13.49	34.010	5.17														
KOREA .BUSAN 852 . STATION 314-09 , 33-00.0. N. 125-18.0. E, JUN.11.1983. 15:10 KST, DEPTH 82 , COLOR 2. TRANS. 15.0.																	
WAVE ESE 2, SWELL ESE 2, WIND SE 3. BARO 1010. , AIR TEMP. DRY 20.2, WET . CLOUD. TYPE CS, AMT 10. WEATHER C .																	
0	19.51	32.730	6.07							0	19.51	32.730	6.07	23.18	470	470	0.0000
10	19.52	32.680	5.87							10	19.52	32.680	5.87	23.14	474	474	0.0472
20	19.09	32.700	5.67							20	19.09	32.700	5.67	23.26	462	462	0.0940
30	16.65	32.770	5.47							30	16.65	32.770	5.47	23.90	401	401	0.1372

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	13.70	33.930	5.27							50	13.70	33.930	5.27	25.44	254	255	0.2030
75	13.68	33.950	5.17							75	13.68	33.950	5.17	25.46	253	254	0.2668

KOREA .BUSAN 852 . STATION 314-10 . 33-00.0. N. 125-00.0. E. JUN.11.1983. 16:55 KST. DEPTH 75 . , COLOR 2. TRANS. 13.0.
WAVE ESE 3, SWELL ESE 2, WIND SE 3, BARO 1010. , AIR TEMP. DRY 19.9, WET , CLOUD. TYPE CS, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.58	32.730	5.82							0	19.58	32.730	5.82	23.16	472	471	0.0000
10	19.49	32.710	5.77							10	19.49	32.710	5.77	23.17	471	471	0.0471
20	16.26	32.710	5.72							20	16.26	32.710	5.72	23.47	441	442	0.0928
30	16.43	32.790	5.72							30	16.43	32.790	5.72	23.97	394	395	0.1347
50	13.38	33.430	5.77							50	13.38	33.430	5.77	25.12	285	286	0.2028
70	13.12	33.810	5.42														

8月(August)

KOREA ,BUSAN 852 , STATION 314-00 , 33-00.0. N. 126-00.0. E, AUG. 7.1983, 00:00 KST. DEPTH 150 , , COLOR , TRANS.
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1009. , AIR TEMP. DRY 28.8, WET , CLOUD. TYPE , AMT , WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	29.42	31.770	4.88							0	29.42	31.770	4.88	19.52	820	820	0.0000
10	28.00	31.690	4.75							10	28.00	31.690	4.75	19.93	781	781	0.0801
20	26.98	32.000	5.03							20	26.98	32.000	5.03	20.49	727	728	0.1556
30	23.54	32.080	5.43							30	23.54	32.080	5.43	21.59	622	623	0.2231
50	20.26	33.400	5.38							50	20.26	33.400	5.38	23.49	440	441	0.3296
75	17.40	33.950	4.76							75	17.40	33.950	4.76	24.63	331	333	0.4265
100	15.45	33.990	4.33							100	15.45	33.990	4.33	25.11	286	288	0.5043
125	15.04	34.030	4.03							125	15.04	34.030	4.03	25.23	274	277	0.5751
146	14.80	34.420	4.03														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,BUSAN 852 . STATION 314-01 . 33-00.0. N. 127-42.0. E. AUG. 8.1983. 01:40 KST. DEPTH 140 . COLOR . TRANS. .																	
WAVE SW 1. SWELL SW 1. WIND SW 1. BARO 1008. . AIR TEMP. DRY 27.6, WET . CLOUD. TYPE , AMT , WEATHER BC,																	
0	29.40	31.680	4.83							0	29.40	31.680	4.83	19.46	826	826	0.0000
10	28.45	31.600	4.81							10	28.45	31.600	4.81	19.71	802	802	0.0814
20	27.58	31.630	4.91							20	27.58	31.630	4.91	20.02	772	773	0.1602
30	24.31	******	5.23							30	24.31	32.186	5.23	21.44	636	636	0.2307
50	22.26	33.300	5.33							50	22.26	33.300	5.33	22.87	499	500	0.3444
75	17.94	34.000	4.83							75	17.94	34.000	4.83	24.54	340	342	0.4498
100	17.28	34.310	4.58							100	17.28	34.310	4.58	24.93	302	305	0.5309
125	15.78	34.480	4.03							125	15.78	34.480	4.03	25.41	257	260	0.6016
138	15.42	34.580	3.88														
KOREA .BUSAN 852 , STATION 314-02 . 33-00.0. N, 127-24.0. E, AUG. 8.1983. 02:50 KST, DEPTH 125 . COLOR , TRANS. .																	
WAVE , SWELL SW 1. WIND SW 1, BARO 1009. , AIR TEMP. DRY 28.8, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	29.40	31.290	4.78							0	29.40	31.290	4.78	19.17	854	854	0.0000
10	29.40	31.490	5.03							10	29.40	31.490	5.03	19.32	840	840	0.0847
20	26.20	32.000	5.13							20	26.20	32.000	5.13	20.73	704	704	0.1620
30	24.32	33.210	5.21							30	24.32	33.210	5.21	22.21	562	563	0.2254
50	19.94	33.840	4.90							50	19.94	33.840	4.90	23.91	400	401	0.3219
75	17.33	34.050	4.73							75	17.33	34.050	4.73	24.72	322	324	0.4127
100	17.31	34.140	4.88							100	17.31	34.140	4.88	24.80	315	318	0.4931
123	16.72	34.190	4.53														
KOREA ,BUSAN 852 , STATION 314-03 . 33-00.0. N. 127-06.0. E, AUG. 8.1983, 04:40 KST. DEPTH 110 . COLOR . TRANS.																	
WAVE SW 1, SWELL SW 1, WIND SW 1. BARO 1009. . AIR TEMP. DRY 28.6. WET , CLOUD. TYPE CU, AMT 03, WEATHER BC,																	
0	29.18	30.980	4.73							0	29.18	30.980	4.73	19.01	870	869	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	29.17	31.120	4.78							10	29.17	31.120	4.78	19.12	859	859	0.0864
20	27.91	31.770	5.03							20	27.91	31.770	5.03	20.02	773	773	0.1681
30	23.80	31.820	5.48							30	23.80	31.820	5.48	21.32	648	649	0.2392
50	18.70	33.970	5.23							50	18.70	33.970	5.23	24.33	360	361	0.3403
75	17.96	34.110	4.93							75	17.96	34.110	4.93	24.62	333	335	0.4274
100	15.11	34.210	4.43							100	15.11	34.210	4.43	25.35	262	265	0.5025

KOREA .BUSAN 852 . STATION 314-04 . 33-00.0. N. 126-48.0. E. AUG. 6.1983. 06:40 KST. DEPTH 100 . . COLOR . TRANS.
WAVE SW 1. SWELL SW 1. WIND SW 2. BARO 1008. . AIR TEMP. DRY 28.5. WET . CLOUD. TYPE NS. AMT 07. WEATHER BC,

0	29.05	30.830	4.68							0	29.05	30.830	4.68	18.94	876	876	0.0000
10	27.67	31.140	4.83							10	27.67	31.140	4.83	19.62	811	811	0.0843
20	25.80	31.910	5.13							20	25.80	31.910	5.13	20.79	699	699	0.1598
30	20.25	32.230	5.05							30	20.25	32.230	5.05	22.61	524	525	0.2211
50	18.07	33.540	5.33							50	18.07	33.540	5.33	24.15	377	378	0.3115
75	16.63	******	4.53							75	16.63	33.883	4.53	24.76	319	321	0.3989
96	14.79	34.200	4.43														

KOREA .BUSAN 852 . STATION 314-05 . 33-00.0. N. 126-30.0. E. AUG. 6.1983. 08:40 KST. DEPTH 100 . COLOR 3. TRANS. 13.0.
WAVE SW 2. SWELL SW 1. WIND SW 2. BARO 1009. . AIR TEMP. DRY 28.1. WET . CLOUD. TYPE NS. AMT 10. WEATHER C .

0	28.32	30.660	4.81							0	28.32	30.660	4.81	19.05	865	865	0.0000
10	23.87	30.920	5.03							10	23.87	30.920	5.03	20.62	715	715	0.0790
20	21.22	32.000	5.35							20	21.22	32.000	5.35	22.17	566	566	0.1431
30	18.70	33.020	5.43							30	18.70	33.020	5.43	23.60	429	430	0.1929
50	17.39	34.030	5.11							50	17.39	34.030	5.11	24.69	325	326	0.2687
75	15.10	34.080	4.63							75	15.10	34.080	4.63	25.26	272	273	0.3438
96	14.95	34.400	4.33														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 314-06 , 33-00.0. N, 126-12.0. E. AUG.10.1983. 10:20 KST, DEPTH 110 , COLOR 3, TRANS. 15.0, WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1008. , AIR TEMP. DRY 27.5, WET . CLOUD. TYPE CI. AMT 05, WEATHER BC,																	
0	28.68	30.290	4.83							0	28.68	30.290	4.83	18.66	903	903	0.0000
10	28.48	30.350	5.03							10	28.48	30.350	5.03	18.77	893	893	0.0898
20	24.74	31.660	5.33							20	24.74	31.660	5.33	20.92	686	686	0.1688
30	21.28	32.500	5.63							30	21.28	32.500	5.63	22.54	531	532	0.2297
50	18.21	33.990	5.33							50	18.21	33.990	5.33	24.46	347	348	0.3178
75	14.29	34.000	4.83							75	14.29	34.000	4.83	25.37	261	263	0.3943
100	12.82	34.100	4.83							100	12.82	34.100	4.83	25.75	225	227	0.4557
KOREA .BUSAN 852 , STATION 314-07 , 33-00.0. N, 125-54.0. E, AUG.10.1983. 12:00 KST, DEPTH 92 , COLOR 3, TRANS. 15.0, WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 27.9, WET . CLOUD. TYPE CI, AMT 05, WEATHER BC,																	
0	28.81	30.250	4.63							0	28.81	30.250	4.63	18.59	910	910	0.0000
10	28.82	30.160	5.03							10	28.82	30.160	5.03	18.52	917	917	0.0914
20	25.20	31.500	5.03							20	25.20	31.500	5.03	20.66	711	711	0.1728
30	19.05	32.540	5.23							30	19.05	32.540	5.23	23.15	473	473	0.2321
50	14.29	33.040	5.39							50	14.29	33.040	5.39	24.63	331	332	0.3127
75	13.84	33.960	4.95							75	13.84	33.960	4.95	25.43	255	257	0.3864
90	12.21	34.140	4.63														
KOREA .BUSAN 852 , STATION 314-08 . 33-00.0. N, 125-36.0. E, AUG.10.1983, 14:00 KST, DEPTH 90. , COLOR 3, TRANS. 12.0. WAVE SE 2, SWELL SE 2, WIND SE 3. BARO 1006. . AIR TEMP. DRY 27.3, WET , CLOUD. TYPE CI. AMT 07, WEATHER BC,																	
0	28.96	29.400	4.76							0	28.96	29.400	4.76	17.90	976	976	0.0000
10	28.88	29.730	4.83							10	28.88	29.730	4.83	18.17	950	950	0.0963
20	25.79	31.260	5.43							20	25.79	31.260	5.43	20.30	745	746	0.1811
30	15.45	32.720	5.13							30	15.45	32.720	5.13	24.13	378	379	0.2374

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	13.63	33.460	5.07							50	13.63	33.460	5.07	25.09	287	288	0.3042
75	13.20	33.850	4.73							75	13.20	33.850	4.73	25.48	251	252	0.3719
88	13.20	33.870	4.73														
KOREA .BUSAN 852 , STATION 314-09 , 33-00.0. N, 125-18.0. E, AUG.10.1983, 17:00 KST, DEPTH 80 , COLOR 3, TRANS. 14.0.																	
WAVE SE 2, SWELL SE 2, WIND SE 3, BARO 1006. , AIR TEMP. DRY 28.3, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	29.02	29.280	4.63							0	29.02	29.280	4.63	17.79	987	987	0.0000
10	28.43	29.970	4.83							10	28.43	29.970	4.83	18.50	919	918	0.0953
20	23.00	31.560	5.23							20	23.00	31.560	5.23	21.35	645	645	0.1735
30	18.29	32.570	5.43							30	18.29	32.570	5.43	23.36	452	453	0.2284
50	13.06	33.780	4.93							50	13.06	33.780	4.93	25.45	253	254	0.2992
75	13.17	33.890	4.83							75	13.17	33.890	4.83	25.51	247	249	0.3622
KOREA .BUSAN 852 , STATION 314-10 , 33-00.0. N, 125-00.0. E. AUG.10.1983, 18:50 KST, DEPTH 75 , COLOR 3, TRANS. 12.0,																	
WAVE SE 2, SWELL SE 2, WIND SE 3, BARO 1005.5, AIR TEMP. DRY 27.9, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC.																	
0	28.67	29.400	4.93							0	28.67	29.400	4.93	18.00	967	967	0.0000
10	24.71	30.000	5.13							10	24.71	30.000	5.13	19.68	805	805	0.0886
20	20.44	32.060	5.11							20	20.44	32.060	5.11	22.43	542	542	0.1560
30	15.09	32.840	5.03							30	15.09	32.840	5.03	24.31	362	363	0.2013
50	13.14	33.790	4.93							50	13.14	33.790	4.93	25.44	254	255	0.2631
73	13.07	33.850	5.14														

10月(October)

KOREA .BUSAN 852 , STATION 314-00 , 33-00.0. N, 128-00.0. E, OCT.14.1983, 23:00 KST. DEPTH 160 . COLOR . TRANS. .																	
WAVE NE 4, SWELL NE 3, WIND NE 4, BARO 1014. , AIR TEMP. DRY 22.0, WET , CLOUD. TYPE SC, AMT 09, WEATHER C .																	
0	25.04	33.790	4.57							0	25.04	33.790	4.57	22.43	541	541	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	25.01	33.790	4.58							10	25.01	33.790	4.58	22.44	540	540	0.0540
20	25.02	33.800	4.57							20	25.02	33.800	4.57	22.45	540	540	0.1081
30	25.02	33.780	4.62							30	25.02	33.780	4.62	22.43	541	542	0.1622
50	25.02	33.800	4.62							50	25.02	33.800	4.62	22.45	540	541	0.2706
75	22.53	33.860	3.98							75	22.57	33.860	3.98	23.22	466	468	0.3968
100	18.83	34.510	3.94							100	18.83	34.510	3.94	24.70	324	327	0.4963
125	16.16	34.560	3.65							125	16.16	34.560	3.65	25.39	259	263	0.5701
150	15.78	34.600	3.63							150	15.78	34.600	3.63	25.50	248	252	0.6346

KOREA .BUSAN 852 . STATION 314-01 , 33-00.0. N, 127-42.0. E, OCT.15.1983. 00:50 KST. DEPTH 130 , COLOR , TRANS.
WAVE NE 3. SWELL NE 3, WIND NE 4, BARO 1015.5. AIR TEMP. DRY 22.0. WET , CLOUD. TYPE SC. AMT 09. WEATHER C ,

0	24.60	33.640	4.62							0	24.60	33.640	4.62	22.45	539	539	0.0000
10	24.69	33.680	4.67							10	24.69	33.680	4.67	22.46	539	539	0.0539
20	24.69	33.750	4.62							20	24.69	33.750	4.62	22.51	534	534	0.1076
30	24.69	33.750	4.57							30	24.69	33.750	4.57	22.51	534	534	0.1611
50	24.69	33.750	4.62							50	24.69	33.750	4.62	22.51	534	535	0.2681
75	19.63	34.540	4.01							75	19.63	34.540	4.01	24.52	341	344	0.3781
100	17.31	34.690	3.95							100	17.31	34.690	3.95	25.22	275	278	0.4559
125	16.06	34.640	*****							125	16.06	34.640	*****	25.47	251	255	0.5226

KOREA .BUSAN 852 . STATION 314-02 . 33-00.0. N, 127-24.0. E. OCT.15.1983, 02:50 KST, DEPTH 120 . COLOR . TRANS.
WAVE NE 3, SWELL NE 2. WIND NE 3, BARO 1015.5, AIR TEMP. DRY 21.0. WET , CLOUD. TYPE SC, AMT 09, WEATHER C ,

0	24.30	33.610	4.62							0	24.30	33.610	4.62	22.52	533	532	0.0000
10	24.18	33.600	*****							10	24.18	33.600	4.62	22.55	530	530	0.0531
20	24.18	33.590	4.62							20	24.18	33.590	4.62	22.54	531	531	0.1062
30	24.18	33.590	4.63							30	24.18	33.590	4.63	22.54	531	531	0.1594

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	24.18	33.600	4.61							50	24.18	33.600	4.61	22.55	530	531	0.2658
75	20.00	34.640	3.96							75	20.00	34.640	3.96	24.50	343	346	0.3755
100	16.54	34.630	3.67							100	16.54	34.630	3.67	25.35	262	265	0.4520
117	16.47	34.530	3.48														

KOREA .BUSAN 852 , STATION 314-03 , 33-00.0. N, 127-06.0. E, OCT.15.1983, 04:50 KST, DEPTH 108 , COLOR , TRANS.
WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1016. , AIR TEMP. DRY 21.2, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	24.15	33.630	4.62							0	24.15	33.630	4.62	22.58	527	527	0.0000
10	24.18	33.620	4.69							10	24.18	33.620	4.69	22.56	529	529	0.0528
20	24.18	33.650	4.64							20	24.18	33.650	4.64	22.58	526	527	0.1056
30	24.18	33.640	4.66							30	24.18	33.640	4.66	22.58	527	528	0.1584
50	23.97	33.640	4.64							50	23.97	33.640	4.64	22.64	521	523	0.2635
75	24.01	34.320	4.47							75	24.01	34.320	4.47	23.14	473	475	0.3884
100	17.22	34.550	3.77							100	17.22	34.550	3.77	25.13	284	286	0.4837

KOREA .BUSAN 852 , STATION 314-04 , 33-00.0. N, 126-48.0. E, OCT.15.1983, 06:30 KST, DEPTH 108 , COLOR , TRANS.
WAVE NE 3, SWELL 2, WIND N 3, BARO 1014. , AIR TEMP. DRY 21.7, WET , CLOUD. TYPE AS, AMT 09, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	24.10	33.620	4.55							0	24.10	33.620	4.55	22.59	526	526	0.0000
10	24.08	33.610	4.59							10	24.08	33.610	4.59	22.58	527	527	0.0526
20	23.96	33.610	4.58							20	23.96	33.610	4.58	22.62	523	525	0.1052
30	24.01	33.600	4.60							30	24.01	33.600	4.60	22.60	525	526	0.1577
50	24.01	33.640	4.52							50	24.01	33.640	4.52	22.63	522	524	0.2628
75	20.57	34.500	4.01							75	20.57	34.500	4.01	24.24	368	370	0.3746
100	16.79	34.480	3.69							100	16.79	34.480	3.69	24.69	325	328	0.4620

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 314-05 , 33-00.0. N, 126-30.0. E, OCT.15.1983. 08:20 KST. DEPTH 100. . COLOR 3. TRANS. 16.0,																	
WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1014. , AIR TEMP. DRY 21.7, WET , CLOUD. TYPE AS. AMT 10, WEATHER C .																	
0	23.91	33.630	4.62							0	23.91	33.630	4.62	22.65	520	520	0.0000
10	23.91	33.620	4.62							10	23.91	33.620	4.62	22.64	521	521	0.0521
20	23.90	33.630	4.68							20	23.90	33.630	4.68	22.65	520	520	0.1042
30	23.58	33.690	4.63							30	23.58	33.690	4.63	22.79	507	507	0.1556
50	22.07	33.860	4.47							50	22.07	33.860	4.47	23.35	453	455	0.2519
75	17.52	34.230	3.87							75	17.52	34.230	3.87	24.81	314	316	0.3483
98	16.23	34.530	3.60														
KOREA ,BUSAN 852 , STATION 314-06 , 33-00.0. N, 126-12.0. E, OCT.16.1983, 10:55 KST, DEPTH 109 , COLOR 3, TRANS. 13.0,																	
WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 21.4. WET . CLOUD. TYPE AS. AMT 07. WEATHER BC.																	
0	23.78	33.520	4.86							0	23.78	33.520	4.86	22.60	525	524	0.0000
10	23.78	33.580	4.76							10	23.78	33.580	4.76	22.65	520	520	0.0522
20	23.77	33.580	4.71							20	23.77	33.580	4.71	22.65	520	520	0.1043
30	23.79	33.570	4.81							30	23.79	33.570	4.81	22.64	521	522	0.1565
50	23.48	33.680	4.30							50	23.48	33.680	4.30	22.81	505	506	0.2594
75	17.60	34.170	3.96							75	17.60	34.170	3.96	24.75	320	322	0.3630
100	16.09	34.210	3.56							100	16.09	34.210	3.56	25.13	283	286	0.4390
KOREA ,BUSAN 852 , STATION 314-07 , 33-00.0. N, 125-54.0. E, OCT.16.1983, 12:40 KST, DEPTH 93 , COLOR 3, TRANS. 13.0,																	
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1012. , AIR TEMP. DRY 21.2, WET , CLOUD. TYPE NS, AMT 09. WEATHER C ,																	
0	23.41	33.430	4.92							0	23.41	33.430	4.92	22.64	521	521	0.0000
10	23.36	33.400	4.81							10	23.36	33.400	4.81	22.64	522	522	0.0521
20	23.35	33.400	4.92							20	23.35	33.400	4.92	22.64	521	522	0.1043
30	23.35	33.490	4.79							30	23.35	33.490	4.79	22.71	515	515	0.1562

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	16.03	33.650	4.21							50	16.03	33.650	4.21	24.72	323	324	0.2403
75	13.95	34.150	3.85							75	13.95	34.150	3.85	25.56	243	245	0.3115
90	13.87	34.250	3.90														

KOREA .BUSAN 852 , STATION 314-08 , 33-00.0. N. 125-36.0. E, OCT.16.1983, 14:50 KST. DEPTH 92 . COLOR 4. TRANS. 15.0.
WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1012. , AIR TEMP. DRY 20.2, WET , CLOUD. TYPE NS, AMT 08, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	23.07	33.500	5.00							0	23.07	33.500	5.00	22.79	506	506	0.0000
10	23.00	33.470	4.90							10	23.00	33.470	4.90	22.79	507	507	0.0506
20	23.00	33.530	4.90							20	23.00	33.530	4.90	22.84	502	503	0.1012
30	22.99	33.540	4.88							30	22.99	33.540	4.88	22.85	501	502	0.1514
50	14.22	33.540	4.27							50	14.22	33.540	4.27	25.03	293	294	0.2312
75	12.59	******	4.12							75	12.59	33.583	4.12	25.39	259	260	0.3006
90	12.58	33.610	3.80														

KOREA .BUSAN 852 , STATION 314-09 . 33-00.0. N. 125-18.0. E. OCT.16.1983. 16:40 KST. DEPTH 83 , COLOR 4, TRANS. 13.0.
WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1011. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE NS, AMT 09, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.37	32.860	4.88							0	22.37	32.860	4.88	22.51	534	533	0.0000
10	22.38	32.870	5.00							10	22.38	32.870	5.00	22.51	533	533	0.0533
20	22.36	32.870	4.93							20	22.36	32.870	4.93	22.52	533	533	0.1067
30	22.14	33.090	4.79							30	22.14	33.090	4.79	22.75	511	512	0.1590
50	11.88	33.230	4.26							50	11.88	33.230	4.26	25.25	272	273	0.2375
75	11.81	33.240	4.01							75	11.81	33.240	4.01	25.27	270	271	0.3056

KOREA .BUSAN 852 , STATION 314-10 , 33-00.0. N, 125-00.0. E, OCT.16.1983, 18:40 KST, DEPTH 79 ,, COLOR , TRANS. ,
WAVE NE 3. SWELL NE 2. WIND NE 3. BARO 1011.5, AIR TEMP. DRY 20.0. WET , CLOUD. TYPE AS. AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.84	32.630	5.19							0	20.84	32.630	5.19	22.75	510	510	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	20.96	32.670	5.08							10	20.96	32.670	5.08	22.75	511–	511	0.0510
20	20.01	32.780	4.78							20	20.01	32.780	4.78	23.09	479	479	0.1006
30	16.72	32.830	4.45							30	16.72	32.830	4.45	23.93	398	398	0.1445
50	11.64	33.240	4.13							50	11.64	33.240	4.13	25.31	267	268	0.2112
75	11.53	33.240	3.94							75	11.53	33.240	3.94	25.33	265	266	0.2780

12月(December)

KOREA .BUSAN 852 , STATION 314-00 , 33-00.0. N, 128-00.0. E, DEC. 6.1983, 21:40 KST. DEPTH 158 , COLOR . TRANS.

WAVE NW 2. SWELL NW 1, WIND NW 3, BARO 1021. , AIR TEMP. DRY 13.3, WET . CLOUD. TYPE SC, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	20.73	34.290	4.97							0	20.73	34.290	4.97	24.04	387	387	0.0000
10	20.72	34.560	4.90							10	20.72	34.560	4.90	24.25	367	367	0.0377
20	20.72	34.630	5.00							20	20.72	34.630	5.00	24.30	362	363	0.0743
30	20.72	******	4.95							30	20.72	34.630	4.95	24.30	362	363	0.1106
50	20.71	34.630	5.15							50	20.71	34.630	5.15	24.31	362	363	0.1834
75	20.69	34.650	5.00							75	20.69	34.650	5.00	24.33	360	362	0.2742
100	20.14	34.650	4.80							100	20.14	34.650	4.80	24.47	346	349	0.3633
125	19.99	34.660	4.78							125	19.99	34.660	4.78	24.52	342	345	0.4502
150	19.77	34.740	4.72							150	19.77	34.740	4.72	24.64	330	335	0.5354

KOREA .BUSAN 852 , STATION 314-01 . 33-00.0. N, 127-42.0. E, DEC. 8.1983. 23:40 KST. DEPTH 140 , COLOR . TRANS.

WAVE NW 2. SWELL NW 1, WIND NW 2, BARO 1021. . AIR TEMP. DRY 13.5. WET . CLOUD. TYPE SC. AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	20.94	34.740	4.90							0	20.94	34.740	4.90	24.33	360	360	0.0000
10	20.97	34.740	5.00							10	20.97	34.740	5.00	24.32	361	361	0.0360
20	21.00	34.740	4.90							20	21.00	34.740	4.90	24.31	362	362	0.0722
30	21.01	34.740	4.90							30	21.01	34.740	4.90	24.31	362	363	0.1085

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	21.00	34.730	4.88							50	21.00	34.730	4.88	24.30	362	364	0.1812
75	20.98	34.740	4.98							75	20.98	34.740	4.98	24.32	361	363	0.2722
100	20.96	34.730	4.90							100	20.96	34.730	4.90	24.31	361	364	0.3633
125	20.82	34.740	4.78							125	20.82	34.740	4.78	24.36	357	361	0.4540
137	18.61	34.730	*****														

KOREA .BUSAN 852 , STATION 314-02 , 33-00.0. N, 127-24.0. E, DEC. 9.1983, 01:30 KST, DEPTH 125 . COLOR , TRANS. ,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1021. , AIR TEMP. DRY 13.8, WET , CLOUD. TYPE SC. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.80	34.550	5.00							0	20.80	34.550	5.00	24.22	370	370	0.0000
10	20.82	34.670	4.95							10	20.82	34.670	4.95	24.31	362	362	0.0366
20	20.81	34.690	5.02							20	20.81	34.690	5.02	24.32	360	361	0.0728
30	20.82	34.690	5.00							30	20.82	34.690	5.00	24.32	361	361	0.1089
50	20.82	34.690	4.94							50	20.82	34.690	4.94	24.32	361	362	0.1814
75	20.76	34.700	4.94							75	20.76	34.700	4.94	24.35	358	360	0.2718
100	20.49	34.740	5.05							100	20.49	34.740	5.05	24.45	349	351	0.3609
120	19.13	34.770	4.92														

KOREA .BUSAN 852 , STATION 314-03 , 33-00.0. N, 127-06.0. E. DEC. 9.1983, 03:10 KST, DEPTH 110. , COLOR . TRANS. ,
WAVE NW 2, SWELL NW 1, WIND NW 3. BARO 1021. . AIR TEMP. DRY 12.1, WET . CLOUD, TYPE SC. AMT 04, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.30	34.640	5.00							0	20.30	34.640	5.00	24.42	351	351	0.0000
10	20.30	34.640	4.95							10	20.30	34.640	4.95	24.42	351	351	0.0351
20	20.31	34.640	5.00							20	20.31	34.640	5.00	24.42	351	352	0.0703
30	20.31	34.660	5.02							30	20.31	34.660	5.02	24.44	350	350	0.1054
50	20.29	34.670	5.04							50	20.29	34.670	5.04	24.45	349	350	0.1755
75	20.28	34.680	5.02							75	20.28	34.680	5.02	24.46	348	350	0.2631
100	16.32	34.680	4.63							100	16.32	34.680	4.63	25.44	254	257	0.3390

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 314-04 . 33-00.0. N, 126-48.0. E, DEC. 9.1983. 04:50 KST, DEPTH 100 , COLOR . TRANS. ,																	
WAVE NW 2, SWELL NW 2, WIND NW 3. BARO 1021. , AIR TEMP. DRY 12.8, WET . CLOUD. TYPE SC. AMT 03, WEATHER BC,																	
0	18.48	34.430	5.14							0	18.48	34.430	5.14	24.73	322	321	0.0000
10	18.47	34.430	5.20							10	18.47	34.430	5.20	24.73	321	321	0.0321
20	18.41	34.420	5.17							20	18.41	34.420	5.17	24.74	321	321	0.0643
30	18.04	34.430	5.08							30	18.04	34.430	5.08	24.84	311	312	0.0960
50	17.40	34.450	5.10							50	17.40	34.450	5.10	25.01	295	296	0.1569
75	16.19	34.470	4.72							75	16.19	34.470	4.72	25.31	266	268	0.2276
97	15.97	34.550	4.87														
KOREA .BUSAN 852 , STATION 314-05 . 33-00.0. N. 126-30.0. E, DEC. 9.1983. 06:40 KST, DEPTH 100 , COLOR , TRANS. .																	
WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 12.9, WET . CLOUD. TYPE SC. AMT 03, WEATHER BC.																	
0	17.04	34.000	5.20							0	17.04	34.000	5.20	24.75	320	319	0.0000
10	17.06	34.020	5.08							10	17.06	34.020	5.08	24.76	319	319	0.0319
20	17.07	34.000	5.17							20	17.07	34.000	5.17	24.75	320	321	0.0639
30	17.08	34.040	5.12							30	17.08	34.040	5.12	24.77	318	318	0.0959
50	17.07	34.130	5.13							50	17.07	34.130	5.13	24.84	311	312	0.1590
75	17.06	34.160	5.13							75	17.06	34.160	5.13	24.87	309	311	0.2369
97	16.34	34.130	4.97														
KOREA .BUSAN 852 . STATION 314-06 . 33-00.0. N. 126-12.0. E. DEC.10.1983. 10:05 KST. DEPTH 110 . COLOR 3, TRANS. 15.0,																	
WAVE SW 3, SWELL SW 2, WIND SW 4, BARO 1018. . AIR TEMP. DRY 16.6. WET , CLOUD. TYPE SC. AMT 07, WEATHER BC,																	
0	18.15	34.140	5.30							0	18.15	34.140	5.30	24.59	335	335	0.0000
10	18.14	34.140	5.39							10	18.14	34.140	5.39	24.59	335	335	0.0335
20	18.17	34.160	5.15							20	18.17	34.160	5.15	24.60	334	334	0.0670
30	18.67	34.440	5.10							30	18.67	34.440	5.10	24.69	325	326	0.1000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	18.86	34.440	5.07							50	18.86	34.440	5.07	24.64	330	332	0.1659
75	18.84	34.450	5.00							75	18.84	34.450	5.00	24.66	329	331	0.2488
100	18.47	34.490	4.90							100	18.47	34.490	4.90	24.78	317	320	0.3303

KOREA .BUSAN 852 . STATION 314-07 . 33-00.0. N, 125-54.0. E. DEC.10.1983. 11:50 KST, DEPTH 90 . COLOR 3. TRANS. 15.0.
WAVE SW 3. SWELL SW 3. WIND SW 5. BARO 1015.5. AIR TEMP. DRY 16.7, WET , CLOUD. TYPE SC, AMT 05, WEATHER BC.

0	16.62	33.620	5.39							0	16.62	33.620	5.39	24.56	338	338	0.0000
10	16.58	33.600	5.39							10	16.58	33.600	5.39	24.55	338	338	0.0338
20	16.62	33.570	5.29							20	16.62	33.570	5.29	24.52	342	342	0.0679
30	16.71	33.590	5.33							30	16.71	33.590	5.33	24.52	342	343	0.1021
50	18.34	34.240	5.13							50	18.34	34.240	5.13	24.62	332	333	0.1698
75	18.48	34.260	5.10							75	18.48	34.260	5.10	24.60	334	336	0.2536
85	18.50	34.290	5.10														

KOREA .BUSAN 852 , STATION 314-08 , 33-00.0. N, 125-36.0. E, DEC.10.1983. 13:30 KST. DEPTH 83 , COLOR 3. TRANS. 14.0.
WAVE SW 3. SWELL SW 3, WIND SW 5, BARO 1014.5, AIR TEMP. DRY 16.7, WET . CLOUD. TYPE NS, AMT 10, WEATHER C .

0	17.98	34.110	5.24							0	17.98	34.110	5.24	24.61	333	333	0.0000
10	18.00	34.100	5.19							10	18.00	34.100	5.19	24.60	334	334	0.0334
20	17.98	34.090	5.18							20	17.98	34.090	5.18	24.60	335	335	0.0669
30	18.10	34.140	5.18							30	18.10	34.140	5.18	24.60	334	334	0.1004
50	18.00	34.170	5.18							50	18.00	34.170	5.18	24.65	329	330	0.1669
75	17.49	34.310	5.27							75	17.49	34.310	5.27	24.88	307	309	0.2470

KOREA .BUSAN 852 . STATION 314-09 . 33-00.0. N. 125-18.0. E. DEC.10.1983. 15:15 KST, DEPTH 80 , COLOR 3. TRANS. 13.0.
WAVE SW 3. SWELL SW 3. WIND SW 5. BARO 1014. , AIR TEMP. DRY 15.5, WET , CLOUD. TYPE NS, AMT 10, WEATHER C .

0	15.70	******	5.59							0	15.70	******	5.59	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	15.69	33.350	5.56							10	15.69	33.350	5.56	24.56	337	337	******
20	15.72	33.330	5.58							20	15.72	33.330	5.58	24.54	340	340	******
30	15.72	33.340	5.51							30	15.72	33.340	5.51	24.55	339	339	******
50	15.68	33.340	5.39							50	15.68	33.340	5.39	24.56	338	339	******
75	15.75	34.360	4.93							75	15.75	34.360	4.93	25.33	265	267	******

KOREA ,BUSAN 852 , STATION 314-10 , 33-00.0. N, 125-00.0. E, DEC.10.1983, 17:00 KST, DEPTH 75 , COLOR 3, TRANS.

WAVE SW 3, SWELL SW 3, WIND SW 5, BARO 1014. , AIR TEMP. DRY 14.3, WET , CLOUD. TYPE AS, AMT 10, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.43	33.440	5.41							0	16.43	33.440	5.41	24.47	347	347	0.0000
10	16.45	33.460	5.29							10	16.45	33.460	5.29	24.48	346	346	0.0346
20	16.43	33.420	5.32							20	16.43	33.420	5.32	24.45	348	349	0.0694
30	16.32	33.430	5.49							30	16.32	33.430	5.49	24.48	345	346	0.1041
50	16.11	33.460	5.31							50	16.11	33.460	5.31	24.55	338	340	0.1728
72	16.04	33.450	*****														

西 海 海 洋 調 査 成 績

OCEANOGRAPHIC DATA: WESTERN WATERS

1 9 8 3

307線 海洋觀測 成績

Oceanographic Data. Line 307

2 月(February)

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 307-03 . 36-56.5. N. 126-00.0. E. FEB. 3.1983. 18:10 KST. DEPTH 37 . COLOR . TRANS. .																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1024. , AIR TEMP. DRY 3.9. WET , CLOUD. TYPE CI. AMT 02, WEATHER B ,																	
0	5.79	32.000	6.33							0	5.79	32.000	6.33	25.23	274	274	0.0000
10	5.79	32.380	6.31							10	5.79	32.380	6.31	25.53	246	246	0.0260
20	5.77	32.410	6.33							20	5.77	32.410	6.33	25.55	243	243	0.0505
33	5.68	32.470	6.31							30	5.70	32.456	6.31	25.60	239	239	0.0746
KOREA ,JEONBUK 855 , STATION 307-04 , 36-55.5. N, 125-37.7. E, FEB. 3.1983, 20:50 KST, DEPTH 35 . , COLOR , TRANS. .																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 3.7, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	5.89	32.520	6.85							0	5.89	32.520	6.85	25.63	236	236	0.0000
10	6.00	32.480	6.85							10	6.00	32.480	6.85	25.58	241	240	0.0238
20	6.01	32.480	6.52							20	6.01	32.480	6.52	25.58	241	241	0.0479
31	6.11	32.480	6.31							30	6.10	32.480	6.32	25.57	242	242	0.0721
KOREA ,JEONBUK 855 , STATION 307-05 , 36-55.5. N, 125-25.0. E, FEB. 3.1983, 22:25 KST, DEPTH 54. , COLOR , TRANS. .																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 3.6, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	6.12	32.520	6.73							0	6.12	32.520	6.73	25.60	239	239	0.0000
10	6.12	32.520	6.61							10	6.12	32.520	6.61	25.60	239	239	0.0239
20	6.12	32.540	6.46							20	6.12	32.540	6.46	25.61	238	238	0.0478
30	6.12	32.570	6.60							30	6.12	32.570	6.60	25.64	235	235	0.0715
50	6.03	32.570	6.63							50	6.03	32.570	6.63	25.65	234	235	0.1185

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JEONBUK 855 , STATION 307-06 , 36-55.5. N, 125-12.5. E, FEB. 4.1983. 00:10 KST. DEPTH 61 , COLOR , TRANS.																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1024. , AIR TEMP. DRY 3.5, WET , CLOUD. TYPE CI. AMT 01. WEATHER B .																	
0	6.02	32.570	6.83							0	6.02	32.570	6.83	25.65	234	234	0.0000
10	6.05	32.570	6.81							10	6.05	32.570	6.81	25.65	235	234	0.0234
20	6.22	32.630	6.48							20	6.22	32.630	6.48	25.67	232	232	0.0468
30	6.42	32.630	6.32							30	6.42	32.630	6.32	25.65	234	235	0.0701
50	6.42	32.630	6.30							50	6.42	32.630	6.30	25.65	234	235	0.1172
56	6.43	32.630	6.03														
KOREA ,JEONBUK 855 , STATION 307-07 , 36-55.5. N, 125-00.0. E, FEB. 4.1983, 01:50 KST. DEPTH 57 , COLOR , TRANS.																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1024. , AIR TEMP. DRY 3.7, WET , CLOUD. TYPE AC, AMT 02, WEATHER B ,																	
0	6.20	32.700	6.49							0	6.20	32.700	6.49	25.73	227	226	0.0000
10	6.22	32.700	6.41							10	6.22	32.700	6.41	25.73	227	227	0.0226
20	6.24	32.700	6.61							20	6.24	32.700	6.61	25.73	227	227	0.0454
30	6.14	32.610	6.33							30	6.14	32.610	6.33	25.67	233	233	0.0684
52	6.12	32.610	6.10							50	6.12	32.610	6.12	25.67	232	233	0.1150
KOREA ,JEONBUK 855 , STATION 307-08 , 36-55.5. N, 124-47.5. E, FEB. 4.1983, 03:35 KST, DEPTH 63 , COLOR , TRANS.																	
WAVE 3, SWELL 2, WIND NW 3, BARO 1024. , AIR TEMP. DRY 3.3. WET , CLOUD., TYPE AC, AMT 04. WEATHER BC.																	
0	6.46	32.660	6.39							0	6.46	32.660	6.39	25.67	233	232	0.0000
10	6.36	32.700	6.26							10	6.36	32.700	6.26	25.71	228	228	0.0230
20	6.38	32.760	6.29							20	6.38	32.760	6.29	25.75	224	224	0.0457
30	6.50	32.760	6.26							30	6.50	32.760	6.26	25.74	226	226	0.0683
50	6.49	32.760	6.41							50	6.49	32.760	6.41	25.74	226	226	0.1135
58	6.51	32.770	6.18														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .JEONBUK 855 , STATION 307-09 , 36-55.5. N, 124-34.8. E, FEB. 4.1983, 05:15 KST, DEPTH 67 , COLOR . TRANS. ,
WAVE 3, SWELL 2, WIND NW 3, BARO 1025. , AIR TEMP. DRY 3.3, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	6.68	32.720	6.69							0	6.68	32.720	6.69	25.68	231	231	0.0000
10	6.73	32.660	6.32							10	6.73	32.660	6.32	25.63	236	236	0.0233
20	6.75	32.630	6.31							20	6.75	32.630	6.31	25.60	239	238	0.0471
30	6.63	32.790	6.20							30	6.63	32.790	6.20	25.75	225	225	0.0703
50	6.66	32.790	6.12							50	6.66	32.790	6.12	25.74	225	226	0.1155
62	6.72	32.770	6.48														

KOREA .JEONBUK 855 . STATION 307-10 . 36-55.5. N. 124-22.3. E, FEB. 4.1983. 07:00 KST. DEPTH 77 . . COLOR . TRANS. .
WAVE 2, SWELL 2, WIND NW 3, BARO 1025. , AIR TEMP. DRY 3.6, WET , CLOUD. TYPE AS, AMT 09. WEATHER C .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	6.90	32.740	6.60							0	6.90	32.740	6.60	25.67	232	232	0.0000
10	6.81	32.720	6.82							10	6.81	32.720	6.82	25.67	233	232	0.0232
20	6.94	32.720	6.63							20	6.94	32.720	6.63	25.65	234	234	0.0466
30	6.82	32.720	6.29							30	6.82	32.720	6.29	25.67	233	233	0.0700
50	6.94	32.880	6.31							50	6.94	32.880	6.31	25.78	222	223	0.1156
72	6.94	32.810	6.16														

4月(April)

KOREA .JEONBUK 855 , STATION 307-03 , 36-56.5. N, 126-00.0. E, APR. 8.1983, 18:00 KST, DEPTH 40 , COLOR 4, TRANS. 5.0,
WAVE 1, SWELL , WIND NE 1, BARO 1017. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE , AMT , WEATHER F .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	8.61	32.830	6.51							0	8.61	32.830	6.51	25.50	249	248	0.0000
10	5.51	32.860	6.41							10	5.51	32.860	6.41	25.94	207	206	0.0227
20	5.40	32.860	6.61							20	5.40	32.860	6.61	25.95	205	205	0.0434
37	5.30	32.870	6.22							30	5.34	32.865	6.38	25.96	204	204	0.0639

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 307-04 . 36-55.5. N. 125-37.7. E. APR. 8.1983, 20:40 KST, DEPTH 36 , COLOR . TRANS. .																	
WAVE 1. SWELL . WIND NE 1, BARO 1017. , AIR TEMP. DRY 10.4, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	7.45	32.810	6.86							0	7.45	32.810	6.86	25.65	234	234	0.0000
10	5.73	32.840	6.73							10	5.73	32.840	6.73	25.90	211	210	0.0222
20	5.59	32.870	6.71							20	5.59	32.870	6.71	25.94	207	207	0.0431
33	5.53	32.880	6.49							30	5.54	32.877	6.54	25.95	206	206	0.0638
KOREA .JEONBUK 855 , STATION 307-05 , 36-55.5. N. 125-25.0. E, APR. 8.1983. 22:10 KST, DEPTH 55 , COLOR , TRANS. .																	
WAVE 1. SWELL . WIND NE 1, BARO 1017. , AIR TEMP. DRY 9.4, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	8.00	32.800	6.86							0	8.00	32.800	6.86	25.56	242	242	0.0000
10	5.99	32.810	6.72							10	5.99	32.810	6.72	25.84	216	216	0.0229
20	5.82	32.890	6.53							20	5.82	32.890	6.53	25.93	208	208	0.0441
30	5.78	32.880	6.49							30	5.78	32.880	6.49	25.92	208	208	0.0650
50	5.75	32.890	6.31							50	5.75	32.890	6.31	25.94	207	207	0.1066
KOREA ,JEONBUK 855 , STATION 307-06 , 36-55.5. N, 125-12.5. E, APR. 8.1983, 23:50 KST, DEPTH 62 , COLOR , TRANS. ,																	
WAVE 1, SWELL , WIND NE 1, BARO 1018. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	8.46	32.690	7.01							0	8.46	32.690	7.01	25.41	257	257	0.0000
10	6.42	32.680	6.99							10	6.42	32.680	6.99	25.69	231	231	0.0244
20	6.33	32.770	6.79							20	6.33	32.770	6.79	25.77	223	223	0.0471
30	6.23	32.830	6.73							30	6.23	32.830	6.73	25.83	217	217	0.0691
50	5.87	32.860	6.51							50	5.87	32.860	6.51	25.90	211	211	0.1120
57	5.57	32.900	6.21														
KOREA .JEONBUK 855 , STATION 307-07 , 36-55.5. N, 125-00.0. E. APR. 9.1983, 01:25 KST, DEPTH 60 , COLOR , TRANS. .																	
WAVE 1, SWELL , WIND NE 1, BARO 1018. , AIR TEMP. DRY 8.7, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	8.54	32.610	7.03							0	8.54	32.610	7.03	25.34	264	264	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	6.80	32.720	6.81							10	6.80	32.720	6.81	25.67	232	232	0.0248
20	6.69	32.690	6.62							20	6.69	32.690	6.62	25.66	233	233	0.0481
30	6.39	32.740	6.81							30	6.39	32.740	6.81	25.74	226	226	0.0711
55	5.98	32.850	6.59							50	6.06	32.828	6.63	25.85	215	216	0.1154
KOREA .JEONBUK 855 . STATION 307-08 , 36-55.5. N, 124-47.5. E. APR. 9.1983, 03:05 KST, DEPTH 65 . . COLOR . TRANS.																	
WAVE 1, SWELL , WIND NE 1, BARO 1017.5, AIR TEMP. DRY 8.0, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	8.70	32.540	6.72							0	8.70	32.540	6.72	25.26	272	271	0.0000
10	7.00	32.620	6.62							10	7.00	32.620	6.62	25.56	242	242	0.0257
20	6.87	32.680	6.41							20	6.87	32.680	6.41	25.63	236	236	0.0496
30	6.70	32.720	6.39							30	6.70	32.720	6.39	25.68	231	231	0.0731
50	6.41	32.780	6.16							50	6.41	32.780	6.16	25.77	223	223	0.1186
60	5.93	32.850	6.01														
KOREA .JEONBUK 855 . STATION 307-09 . 36-55.5. N, 124-34.8. E. APR. 9.1983. 04:40 KST, DEPTH 67 . COLOR . TRANS.																	
WAVE 1, SWELL , WIND NE 1, BARO 1017. , AIR TEMP. DRY 8.0, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	8.52	32.540	6.31							0	8.52	32.540	6.31	25.28	269	269	0.0000
10	7.11	32.580	6.71							10	7.11	32.580	6.71	25.52	247	247	0.0258
20	7.02	32.640	6.51							20	7.02	32.640	6.51	25.58	241	241	0.0502
30	6.88	32.740	6.11							30	6.88	32.740	6.11	25.67	232	232	0.0739
50	6.30	32.770	5.91							50	6.30	32.770	5.91	25.77	223	223	0.1195
62	6.10	32.850	5.83														
KOREA .JEONBUK 855 , STATION 307-10 , 36-55.5. N, 124-22.3. E, APR. 9.1983, 06:20 KST, DEPTH 77 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND E 2, BARO 1017. , AIR TEMP. DRY 8.1, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	8.50	32.550	6.81							0	8.50	32.550	6.81	25.30	268	268	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	7.38	32.690	6.71							10	7.38	32.690	6.71	25.57	242	242	0.0255
20	7.19	32.710	6.66							20	7.19	32.710	6.66	25.61	238	238	0.0495
30	6.98	32.760	6.47							30	6.98	32.760	6.47	25.68	232	232	0.0731
50	6.51	32.790	6.18							50	6.51	32.790	6.18	25.76	224	224	0.1187
72	6.12	33.860	6.29														

6月(June)

KOREA ,JEONBUK 855 , STATION 307-03 , 36-56.5. N, 126-00.0. E, JUN. 9.1983, 19:40 KST, DEPTH 40 . COLOR 4. TRANS. 9.0.
WAVE 1, SWELL 1, WIND SW 1, BARO 1013.5, AIR TEMP. DRY 16.8, WET , CLOUD. TYPE AC, AMT 08, WEATHER C ,

0	14.54	32.220	5.86							0	14.54	32.220	5.86	23.95	396	396	0.0000
10	12.11	32.260	5.81							10	12.11	32.260	5.81	24.46	347	347	0.0372
20	12.08	32.300	5.81							20	12.08	32.300	5.81	24.50	344	344	0.0718
37	12.09	32.340	5.91							30	12.08	32.323	5.86	24.51	342	343	0.1062

KOREA .JEONBUK 855 . STATION 307-04 , 36-55.5. N, 125-37.7. E. JUN.10.1983. 05:30 KST. DEPTH 35 . COLOR . TRANS.
WAVE 1, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 16.9, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

0	17.00	32.370	5.83							0	17.00	32.370	5.83	23.52	438	437	0.0000
10	13.88	32.420	5.71							10	13.88	32.420	5.71	24.24	369	369	0.0403
20	12.88	32.410	5.91							20	12.88	32.410	5.91	24.43	350	351	0.0763
30	11.94	32.430	5.81							30	11.94	32.430	5.81	24.62	332	332	0.1105

KOREA .JEONBUK 855 . STATION 307-05 . 36-55.5. N, 125-25.0. E. JUN.10.1983, 07:05 KST. DEPTH 56 . COLOR 4. TRANS. 12.0.
WAVE 1, SWELL 1, WIND SW 1, BARO 1014. , AIR TEMP. DRY 20.7, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

0	17.18	32.330	5.33							0	17.18	32.330	5.33	23.44	444	444	0.0000
10	16.68	32.350	5.33							10	16.68	32.350	5.33	23.73	417	417	0.0431
20	11.76	32.540	5.72							20	11.76	32.540	5.72	24.74	321	321	0.0800

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	9.67	32.540	5.76							30	9.67	32.540	5.76	25.10	286	286	0.1104
53	8.71	32.660	5.43							50	8.83	32.644	5.47	25.32	266	266	0.1658
KOREA .JEONBUK 855 . STATION 307-06 . 36-55.5. N. 125-12.5. E. JUN.10.1983. 08:45 KST. DEPTH 61 . COLOR 3. TRANS. 13.0.																	
WAVE 1. SWELL 1. WIND SW 1. BARO 1014. . AIR TEMP. DRY 19.4. WET . CLOUD. TYPE . AMT 00. WEATHER B .																	
0	18.04	32.520	5.53							0	18.04	32.520	5.53	23.38	450	450	0.0000
10	17.89	32.510	5.53							10	17.89	32.510	5.53	23.41	447	447	0.0449
20	10.07	32.550	5.93							20	10.07	32.550	5.93	25.05	292	292	0.0819
30	8.28	32.580	6.13							30	8.28	32.580	6.13	25.35	263	263	0.1096
50	7.74	32.690	5.71							50	7.74	32.690	5.71	25.52	247	247	0.1607
59	7.75	32.680	6.03														
KOREA .JEONBUK [redacted] . STATION 307-07 . 36-55.5. N. 125-00.0. E. JUN.10.1983. 10:20 KST. DEPTH 60 . , COLOR 3. TRANS. 15.0.																	
WAVE 1, SWELL 1, WIND SW 2. BARO 1014. . AIR TEMP. DRY 20.1. WET . CLOUD. TYPE , AMT 00, WEATHER B .																	
0	18.11	32.580	5.31							0	18.11	32.580	5.31	23.41	447	447	0.0000
10	14.73	32.610	5.81							10	14.73	32.610	5.81	24.21	372	372	0.0409
20	11.15	32.640	6.26							20	11.15	32.640	6.26	24.93	303	303	0.0747
30	7.12	32.780	6.20							30	7.12	32.780	6.20	25.67	232	232	0.1015
58	6.91	32.880	6.02							50	6.97	32.851	6.07	25.75	225	225	0.1473
KOREA .JEONBUK 855 . STATION 307-08 . 36-55.5. N, 124-47.5. E. JUN.10.1983, 12:00 KST, DEPTH 65 . COLOR 3. TRANS. 15.0.																	
WAVE 1. SWELL 1. WIND S 2. BARO 1014. , AIR TEMP. DRY 19.6. WET . CLOUD. TYPE . AMT 00. WEATHER B .																	
0	18.23	32.420	4.91							0	18.23	32.420	4.91	23.26	462	462	0.0000
10	15.13	32.530	5.48							10	15.13	32.530	5.48	24.06	386	386	0.0424
20	8.98	32.550	6.31							20	8.98	32.550	6.31	25.22	275	275	0.0754
30	7.01	32.700	6.33							30	7.01	32.700	6.33	25.62	237	237	0.1011

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	6.97	32.780	6.01							50	6.97	32.780	6.01	25.69	230	230	0.1479
63	6.96	32.850	5.81														

KOREA .JEONBUK 855 , STATION 307-09 . 36-55.5. N, 124-34.8. E, JUN.10.1983, 13:35 KST, DEPTH 69 , COLOR 3, TRANS. 14.0,

WAVE 1, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 19.6, WET , CLOUD. TYPE , AMT 00, WEATHER B .

0	18.09	32.540	5.21							0	18.09	32.540	5.21	23.39	450	450	0.0000
10	13.71	32.600	5.54							10	13.71	32.600	5.54	24.41	352	352	0.0401
20	10.26	32.610	6.33							20	10.26	32.610	6.33	25.06	290	290	0.0723
30	7.07	32.730	6.41							30	7.07	32.730	6.41	25.64	235	235	0.0986
50	6.78	32.750	6.21							50	6.78	32.750	6.21	25.69	230	230	0.1452
67	6.78	32.800	5.51														

KOREA .JEONBUK 855 . STATION 307-10 . 36-55.5. N. 124-22.3. E. JUN.10.1983. 15:15 KST. DEPTH 76 . COLOR 3. TRANS. 14.0.

WAVE 2, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 20.6, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

0	18.58	32.420	5.46							0	18.58	32.420	5.46	23.17	470	470	0.0000
10	16.78	32.460	5.63							10	16.78	32.460	5.63	23.64	426	426	0.0448
20	10.45	32.620	6.01							20	10.45	32.620	6.01	25.04	293	293	0.0808
30	7.20	32.730	6.21							30	7.20	32.730	6.21	25.62	237	237	0.1073
50	6.93	32.790	6.25							50	6.93	32.790	6.25	25.71	229	229	0.1540
74	6.95	32.860	5.83														

8月(August)

KOREA .GANGWON 854 . STATION 307-03 . 36-56.5. N. 126-00.0. E, AUG. 7.1983. 05:20 KST, DEPTH 38 . COLOR . TRANS.

WAVE SW 2, SWELL SW 2, WIND SW 2, BARO 1006. , AIR TEMP. DRY 24.2, WET , CLOUD. TYPE C1, AMT 04, WEATHER BC.

0	20.97	32.100	4.93							0	20.97	32.100	4.93	22.32	552	552	0.0000
10	20.77	32.100	4.93							10	20.77	32.100	4.93	22.37	547	547	0.0549

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	20.34	32.110	5.08							20	20.34	32.110	5.08	22.49	535	536	0.1091
36	20.35	32.100	5.16							30	20.34	32.103	5.14	22.48	536	537	0.1628
KOREA .GANGWON 854 . STATION 307-04 , 36-55.5. N, 125-37.7. E, AUG. 7.1983, 07:35 KST. DEPTH 36 . . COLOR 4. TRANS. 15.0.																	
WAVE 2, SWELL 2, WIND SW 2, BARO 1007. , AIR TEMP. DRY 25.9, WET , CLOUD. TYPE C1, AMT 04, WEATHER BC,																	
0	24.43	32.070	5.03							0	24.43	32.070	5.03	21.32	648	647	0.0000
10	21.81	32.010	5.01							10	21.81	32.010	5.01	22.02	580	580	0.0614
20	21.59	32.060	5.03							20	21.59	32.060	5.03	22.12	571	571	0.1190
34	21.50	32.110	5.23							30	21.52	32.095	5.17	22.16	567	567	0.1760
KOREA .GANGWON 854 , STATION 307-05 . 36-55.5. N, 125-25.0. E, AUG. 7.1983. 09:00 KST. DEPTH 58 , COLOR 4, TRANS. 16.0,																	
WAVE SW 2, SWELL SW 2, WIND SW 2, BARO 1007. , AIR TEMP. DRY 27.1, WET , CLOUD. TYPE C1, AMT 05, WEATHER BC,																	
0	25.67	32.240	5.08							0	25.67	32.240	5.08	21.07	671	671	0.0000
10	25.90	32.250	5.28							10	25.90	32.250	5.28	21.01	677	677	0.0674
20	22.07	32.260	5.43							20	22.07	32.260	5.43	22.14	569	569	0.1298
30	20.58	32.280	5.43							30	20.58	32.280	5.43	22.56	529	530	0.1848
56	18.89	32.240	*****							50	19.28	32.249	*****	22.87	499	500	0.2879
KOREA .GANGWON 854 . STATION 307-06 , 36-55.5. N, 125-12.5. E, AUG. 7.1983, 10:20 KST, DEPTH 61 , COLOR 5, TRANS. 15.0,																	
WAVE SW 2, SWELL SW 2, WIND SW 2, BARO 1007. , AIR TEMP. DRY 27.9, WET , CLOUD. TYPE C1, AMT 04, WEATHER BC.																	
0	26.63	32.260	5.08							0	26.63	32.260	5.08	20.79	698	698	0.0000
10	23.95	32.290	5.58							10	23.95	32.290	5.58	21.63	618	618	0.0658
20	22.32	32.370	5.58							20	22.32	32.370	5.58	22.15	568	568	0.1252
30	21.16	32.300	5.48							30	21.16	32.300	5.48	22.42	542	543	0.1808
50	20.72	32.310	5.23							50	20.72	32.310	5.23	22.54	531	532	0.2884
58	20.22	32.510	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 307-07 , 36-55.5. N, 125-00.0. E, AUG. 7.1983, 11:50 KST. DEPTH 58 . COLOR 5, TRANS. 15.0,																	
WAVE SW 2, SWELL SW 2, WIND SW 2, BARO 1007. , AIR TEMP. DRY 27.9, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,																	
0	26.60	32.270	5.08							0	26.60	32.270	5.08	20.81	697	696	0.0000
10	21.46	32.490	5.58							10	21.46	32.490	5.58	22.48	536	536	0.0616
20	21.59	32.530	5.53							20	21.59	32.530	5.53	22.47	537	537	0.1154
30	18.94	32.550	5.33							30	18.94	32.550	5.33	23.18	469	470	0.1658
50	15.43	32.820	5.43							50	15.43	32.820	5.43	24.22	371	372	0.2500
KOREA .GANGWON 854 . STATION 307-08 . 36-55.5. N, 124-47.5. E. AUG. 7.1983. 13:15 KST. DEPTH 62 . COLOR 6. TRANS. 18.0.																	
WAVE SW 2, SWELL SW 2, WIND SW 2, BARO 1007. , AIR TEMP. DRY 28.7. WET , CLOUD. TYPE CI. AMT 05, WEATHER BC.																	
0	27.16	31.940	4.83							0	27.16	31.940	4.83	20.38	737	737	0.0000
10	26.80	31.940	*****							10	26.80	31.940	5.13	20.50	726	726	0.0732
20	24.53	32.360	5.43							20	24.53	32.360	5.43	21.51	629	630	0.1410
30	21.45	32.580	5.53							30	21.45	32.580	5.53	22.55	530	530	0.1991
50	19.08	32.680	5.38							50	19.08	32.680	5.38	23.25	463	464	0.2986
60	18.04	32.800	*****														
KOREA .GANGWON 854 , STATION 307-09 , 36-55.5. N, 124-34.8. E, AUG. 7.1983, 14:45 KST. DEPTH 67 , COLOR 5, TRANS. 15.0,																	
WAVE SW 2, SWELL SW 2, WIND SW 2, BARO 1007. , AIR TEMP. DRY 29.2, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,																	
0	27.80	31.960	4.78							0	27.80	31.960	4.78	20.19	756	755	0.0000
10	25.17	32.010	5.68							10	25.17	32.010	5.68	21.05	673	673	0.0714
20	22.76	32.290	*****							20	22.76	32.290	5.71	21.97	585	586	0.1344
30	18.26	32.500	5.75							30	18.26	32.500	5.75	23.31	457	457	0.1866
50	18.05	32.720	5.88							50	18.05	32.720	5.88	23.53	436	437	0.2761
65	18.18	32.730	5.75														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 , STATION 307-10 , 36-55.5. N. 124-22.3. E. AUG. 7.1983. 16:10 KST. DEPTH 76 . COLOR 6, TRANS. 16.0,
WAVE 2, SWELL 2, WIND SW 3, BARO 1007. , AIR TEMP. DRY 28.8. WET . CLOUD. TYPE CI. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	27.85	31.910	4.83							0	27.85	31.910	4.83	20.14	761	760	0.0000
10	27.04	31.890	5.23							10	27.04	31.890	5.23	20.39	737	737	0.0749
20	21.43	32.360	5.83							20	21.43	32.360	5.83	22.39	545	545	0.1391
30	8.84	32.760	6.03							30	8.84	32.760	6.03	25.41	257	257	0.1793
50	8.80	32.770	6.13							50	8.80	32.770	6.13	25.42	256	256	0.2307
74	8.72	32.750	6.03														

10月(October)

KOREA .JEONBUK 855 . STATION 307-03 . 36-56.5. N. 126-00.0. E. OCT. 9.1983. 09:30 KST. DEPTH 38 . COLOR 5, TRANS. 3.5,
WAVE 1. SWELL 1. WIND NW 2. BARO 1021.5. AIR TEMP. DRY 18.1. WET . CLOUD. TYPE AC. AMT 05. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.14	31.740	5.42							0	20.14	31.740	5.42	22.26	557	557	0.0000
10	20.11	31.710	5.41							10	20.11	31.710	5.41	22.25	559	559	0.0558
20	20.09	31.740	5.26							20	20.09	31.740	5.26	22.27	556	556	0.1116
36	20.00	31.910	5.91							30	20.03	31.846	5.66	22.37	547	548	0.1662

KOREA .JEONBUK 855 . STATION 307-04 . 36-55.5. N. 125-37.7. E. OCT. 9.1983. 12:10 KST. DEPTH 35 . COLOR 5. TRANS. 4.0.
WAVE 1. SWELL 1. WIND NW 2. BARO 1022. . AIR TEMP. DRY 19.5. WET . CLOUD. TYPE CI. AMT 04. WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.23	31.750	5.83							0	20.23	31.750	5.83	22.25	559	559	0.0000
10	20.14	31.710	5.61							10	20.14	31.710	5.61	22.24	560	559	0.0559
20	20.08	31.790	5.59							20	20.08	31.790	5.59	22.32	552	552	0.1115
32	19.98	32.070	5.16							30	19.99	32.023	5.23	22.51	533	534	0.1659

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 307-05 , 36-55.5. N, 125-25.0. E, OCT. 9.1983. 13:45 KST, DEPTH 53 , COLOR 5, TRANS. 4.0.																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1022.5, AIR TEMP. DRY 20.5, WET , CLOUD. TYPE , AMT 00, WEATHER B .																	
0	20.04	31.690	5.51							0	20.04	31.690	5.51	22.25	558	558	0.0000
10	19.80	31.720	5.46							10	19.80	31.720	5.46	22.33	550	550	0.0554
20	19.85	31.730	5.51							20	19.85	31.730	5.51	22.33	551	551	0.1106
30	19.82	32.080	5.26							30	19.82	32.080	5.26	22.60	525	525	0.1644
48	16.56	32.080	5.36														
KOREA .JEONBUK 855 , STATION 307-06 , 36-55.5. N, 125-12.5. E, OCT. 9.1983, 15:25 KST, DEPTH 61 , COLOR 4. TRANS. 10.0.																	
WAVE 1, SWELL 1, WIND NW 1. BARO 1022.5. AIR TEMP. DRY 20.0, WET , CLOUD. TYPE , AMT 00, WEATHER B .																	
0	19.67	31.980	5.52							0	19.67	31.980	5.52	22.57	528	528	0.0000
10	19.50	32.020	5.31							10	19.50	32.020	5.31	22.64	521	521	0.0525
20	19.41	32.030	5.35							20	19.41	32.030	5.35	22.67	518	519	0.1045
30	19.31	32.040	5.32							30	19.31	32.040	5.32	22.70	515	516	0.1563
50	15.10	32.410	5.50							50	15.10	32.410	5.50	23.97	394	395	0.2474
58	15.07	******	*****														
KOREA .JEONBUK 855 . STATION 307-07 , 36-55.5. N, 125-00.0. E. OCT. 9.1983, 17:00 KST. DEPTH 58 , COLOR 3. TRANS. 16.0.																	
WAVE 1. SWELL 1, WIND NW 1. BARO 1023. . AIR TEMP. DRY 17.6. WET . CLOUD. TYPE . AMT 00. WEATHER B .																	
0	21.44	31.920	5.52							0	21.44	31.920	5.52	22.05	577	577	0.0000
10	20.79	32.060	5.62							10	20.79	32.060	5.62	22.33	550	550	0.0564
20	20.71	32.040	5.57							20	20.71	32.040	5.57	22.34	550	550	0.1114
30	18.50	32.150	5.51							30	18.50	32.150	5.51	22.99	488	488	0.1634
56	13.69	32.600	5.55							50	14.80	32.496	5.54	24.10	381	382	0.2506

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 307-08 , 36-55.5. N. 124-47.5. E. OCT. 9.1983. 18:40 KST. DEPTH 63 . COLOR . TRANS. .																	
WAVE 1. SWELL 1, WIND NW 1. BARO 1023. . AIR TEMP. DRY 19.2. WET . CLOUD. TYPE . AMT 00, WEATHER B .																	
0	20.82	31.960	5.41							0	20.82	31.960	5.41	22.25	558	558	0.0000
10	20.64	31.920	5.58							10	20.64	31.920	5.58	22.27	557	557	0.0557
20	20.58	31.920	5.61							20	20.58	31.920	5.61	22.28	555	556	0.1114
30	16.01	32.140	5.72							30	16.01	32.140	5.72	23.57	433	433	0.1609
50	12.36	32.650	5.62							50	12.36	32.650	5.62	24.71	323	324	0.2367
60	12.33	32.760	5.38														
KOREA .JEONBUK 855 . STATION 307-09 . 36-55.5. N. 124-34.8. E. OCT. 9.1983, 20:20 KST. DEPTH 67 . COLOR . TRANS. .																	
WAVE 1, SWELL 1. WIND NW 1. BARO 1023. . AIR TEMP. DRY 18.7. WET , CLOUD. TYPE CI, AMT 03, WEATHER BC.																	
0	20.99	31.820	5.31							0	20.99	31.820	5.31	22.10	573	573	0.0000
10	20.99	31.850	5.76							10	20.99	31.850	5.76	22.12	571	571	0.0572
20	20.97	31.950	5.61							20	20.97	31.950	5.61	22.20	563	563	0.1139
30	19.74	32.060	5.39							30	19.74	32.060	5.39	22.61	524	525	0.1684
50	11.79	32.640	5.81							50	11.79	32.640	5.81	24.81	314	315	0.2524
65	11.35	32.740	5.79														
KOREA .JEONBUK 855 . STATION 307-10 . 36-55.5. N, 124-22.3. E. OCT. 9.1983, 22:00 KST. DEPTH 76 . COLOR . TRANS. .																	
WAVE 1. SWELL 1. WIND NW 1, BARO 1023. , AIR TEMP. DRY 18.7, WET . CLOUD. TYPE CI, AMT 01. WEATHER B .																	
0	21.16	31.900	5.21							0	21.16	31.900	5.21	22.11	571	571	0.0000
10	20.50	32.000	5.49							10	20.50	32.000	5.49	22.36	547	547	0.0559
20	20.54	32.030	5.61							20	20.54	32.030	5.61	22.38	546	547	0.1107
30	12.20	32.250	5.71							30	12.20	32.250	5.71	24.44	350	350	0.1556
50	9.33	32.620	5.60							50	9.33	32.620	5.60	25.22	275	276	0.2182
74	9.35	32.750	5.23														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12月(December)

KOREA ,JEONBUK 855 , STATION 307-03 . 36-56.5. N, 126-00.0. E, DEC. 7.1983, 05:10 KST, DEPTH 38 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 7.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.82	32.080	6.20							0	10.82	32.080	6.20	24.55	339	338	0.0000
10	10.70	32.240	6.21							10	10.70	32.240	6.21	24.70	325	325	0.0331
20	10.82	32.210	6.24							20	10.82	32.210	6.24	24.65	329	329	0.0659
36	10.68	32.200	6.25							30	10.73	32.203	6.24	24.66	328	328	0.0988

KOREA ,JEONBUK 855 , STATION 307-04 , 36-55.5. N. 125-37.7. E, DEC. 7.1983. 07:50 KST, DEPTH 35 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 11.0, WET , CLOUD. TYPE AC, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.61	32.270	6.24							0	10.61	32.270	6.24	24.74	321	321	0.0000
10	10.50	32.210	6.11							10	10.50	32.210	6.11	24.71	324	324	0.0322
20	10.59	32.260	6.21							20	10.59	32.260	6.21	24.73	321	322	0.0645
32	10.57	32.410	6.04							30	10.57	32.385	6.06	24.83	312	312	0.0963

KOREA ,JEONBUK 855 , STATION 307-05 , 36-55.5. N, 125-25.0. E, DEC. 7.1983, 09:25 KST, DEPTH 55 , COLOR 5, TRANS. 5.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 10.7, WET , CLOUD. TYPE AC, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.63	32.240	6.29							0	10.63	32.240	6.29	24.71	324	323	0.0000
10	10.62	32.260	6.39							10	10.62	32.260	6.39	24.73	322	322	0.0323
20	10.53	32.240	6.31							20	10.53	32.240	6.31	24.73	322	322	0.0645
30	10.30	32.520	6.09							30	10.30	32.520	6.09	24.98	298	298	0.0955
52	10.19	32.480	6.19							50	10.20	32.483	6.18	24.97	299	299	0.1553

KOREA ,JEONBUK 855 , STATION 307-06 , 36-55.5. N, 125-12.5. E, DEC. 7.1983, 11:05 KST, DEPTH 61 , COLOR 5, TRANS. 5.0,

WAVE 2, SWELL 1, WIND NW 2, BARO 1026. , AIR TEMP. DRY 11.5, WET , CLOUD. TYPE AC, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.27	32.260	6.18							0	10.27	32.260	6.18	24.79	316	316	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	10.13	32.250	6.39							10	10.13	32.250	6.39	24.80	315	315	0.0315
20	10.20	32.310	6.38							20	10.20	32.310	6.38	24.84	311	312	0.0629
30	10.10	32.420	6.40							30	10.10	32.420	6.40	24.94	302	302	0.0936
50	10.14	32.380	5.98							50	10.14	32.380	5.98	24.90	305	306	0.1545
58	10.12	32.410	6.07														

KOREA ,JEONBUK 855 , STATION 307-07 . 36-55.5. N. 125-00.0. E. DEC. 7.1983. 12:40 KST. DEPTH 60 . COLOR 3. TRANS. 6.0.

WAVE 2. SWELL 1. WIND NW 3. BARO 1028. . AIR TEMP. DRY 13.2. WET . CLOUD. TYPE AC. AMT 02. WEATHER B .

0	11.12	32.090	6.30							0	11.12	32.090	6.30	24.51	343	343	0.0000
10	11.10	32.010	6.49							10	11.10	32.010	6.49	24.45	348	348	0.0345
20	10.94	32.120	6.40							20	10.94	32.120	6.40	24.56	338	338	0.0689
30	10.70	32.130	6.07							30	10.70	32.130	6.07	24.61	333	333	0.1025
58	9.27	32.440	5.90							50	9.67	32.351	5.94	24.96	300	301	0.1660

KOREA .JEONBUK 855 . STATION 307-08 , 36-55.5. N. 124-47.5. E. DEC. 7.1983. 14:20 KST. DEPTH 63 , COLOR 3. TRANS. 6.0.

WAVE 2. SWELL 2. WIND NW 3. BARO 1028. , AIR TEMP. DRY 9.5. WET , CLOUD. TYPE AC. AMT 03. WEATHER BC.

0	11.25	32.180	6.30							0	11.25	32.180	6.30	24.55	338	338	0.0000
10	11.10	32.190	6.31							10	11.10	32.190	6.31	24.59	335	335	0.0337
20	11.16	32.200	6.39							20	11.16	32.200	6.39	24.59	335	335	0.0672
30	11.11	32.200	6.47							30	11.11	32.200	6.47	24.60	335	335	0.1008
50	10.47	32.630	6.29							50	10.47	32.630	6.29	25.04	292	293	0.1637
60	8.69	32.720	6.07														

KOREA ,JEONBUK 855 , STATION 307-09 . 36-55.5. N. 124-34.8. E. DEC. 7.1983. 15:55 KST. DEPTH 67 , COLOR 3. TRANS. 8.0.

WAVE 2. SWELL 2. WIND NW 3. BARO 1028.5. AIR TEMP. DRY 10.0. WET . CLOUD. TYPE AC. AMT 05. WEATHER BC.

0	11.27	32.150	6.39							0	11.27	32.150	6.39	24.53	341	341	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	11.22	32.140	6.39							10	11.22	32.140	6.39	24.53	341	341	0.0341
20	11.20	32.120	6.44							20	11.20	32.120	6.44	24.52	342	342	0.0683
30	11.13	32.150	6.41							30	11.13	32.150	6.41	24.55	339	339	0.1024
50	11.03	32.460	6.40							50	11.03	32.460	6.40	24.81	314	315	0.1678
65	8.46	32.740	5.70														

KOREA .JEONBUK 855 . STATION 307-10 , 36-55.5. N, 124-22.3. E. DEC. 7.1983. 17:35 KST. DEPTH 76 . COLOR 3. TRANS. 8.0.

WAVE 2, SWELL 2, WIND NW 3, BARO 1028. , AIR TEMP. DRY 7.6, WET , CLOUD. TYPE AC, AMT 05, WEATHER BC.

0	11.50	32.160	6.37							0	11.50	32.160	6.37	24.49	344	344	0.0000
10	11.40	32.150	6.36							10	11.40	32.150	6.36	24.50	343	343	0.0343
20	11.49	32.150	6.30							20	11.49	32.150	6.30	24.49	345	345	0.0688
30	11.57	32.210	6.24							30	11.57	32.210	6.24	24.52	342	342	0.1032
50	11.58	32.470	6.21							50	11.58	32.470	6.21	24.72	323	323	0.1698
73	8.53	32.580	5.71														

308線 海洋觀測 成績

Oceanographic Data. Line 308

2 月(February)

KOREA ,JEONBUK 855 , STATION 308-01 , 36-19.8. N, 126-14.4. E, FEB. 5.1983, 03:35 KST, DEPTH 20 , COLOR , TRANS. ,

WAVE 2, SWELL 1, WIND W 2, BARO 1022. , AIR TEMP. DRY 5.2, WET , CLOUD. TYPE AC, AMT 06, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	5.52	32.340	7.46							0	5.52	32.340	7.46	25.53	246	245	0.0000
10	5.56	32.360	7.41							10	5.56	32.360	7.41	25.54	245	244	0.0245
17	5.46	32.480	6.93														

KOREA ,JEONBUK 855 , STATION 308-02 , 36-19.8. N, 126-02.3. E, FEB. 5.1983, 02:00 KST, DEPTH 28 , COLOR , TRANS. ,

WAVE 2, SWELL 1, WIND W 2, BARO 1023. , AIR TEMP. DRY 5.2, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	5.93	32.480	7.11							0	5.93	32.480	7.11	25.59	240	240	0.0000
10	6.03	32.480	7.11							10	6.03	32.480	7.11	25.58	241	241	0.0240
20	5.97	32.430	6.95							20	5.97	32.430	6.95	25.55	244	244	0.0483
25	6.04	32.500	6.83														

KOREA ,JEONBUK 855 , STATION 308-03 , 36-19.8. N, 125-50.0. E, FEB. 5.1983, 00:15 KST, DEPTH 49 , COLOR , TRANS. ,

WAVE 2, SWELL 1, WIND W 2, BARO 1023. , AIR TEMP. DRY 5.1, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.72	32.430	6.81							0	6.72	32.430	6.81	25.45	253	253	0.0000
10	6.65	32.480	6.71							10	6.65	32.480	6.71	25.50	248	248	0.0251
20	6.78	32.660	6.78							20	6.78	32.660	6.78	25.62	237	237	0.0493
30	6.68	32.650	6.76							30	6.68	32.650	6.76	25.63	236	236	0.0730
45	6.78	32.670	6.72														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 308-04 . 36-19.8. N. 125-37.0. E. FEB. 4.1983. 22:35 KST. DEPTH 50 . COLOR . TRANS.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1023.5. AIR TEMP. DRY 5.8. WET . CLOUD. TYPE AS. AMT 08. WEATHER C .																	
0	6.88	32.590	6.84							0	6.88	32.590	6.84	25.56	243	243	0.0000
10	6.80	32.650	6.91							10	6.80	32.650	6.91	25.61	238	237	0.0240
20	6.92	32.810	6.57							20	6.92	32.810	6.57	25.72	227	227	0.0473
30	6.83	32.920	6.49							30	6.83	32.920	6.49	25.82	218	218	0.0696
45	6.95	32.950	6.39														
KOREA .JEONBUK 855 . STATION 308-05 . 36-19.8. N. 125-25.3. E. FEB. 4.1983. 20:50 KST. DEPTH 52 . COLOR . TRANS.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1022. . AIR TEMP. DRY 5.7. WET . . CLOUD. TYPE AS. AMT 06. WEATHER BC.																	
0	7.21	32.740	6.73							0	7.21	32.740	6.73	25.63	236	236	0.0000
10	7.11	32.830	6.86							10	7.11	32.830	6.86	25.71	228	228	0.0232
20	7.25	32.810	6.31							20	7.25	32.810	6.31	25.68	231	231	0.0462
30	7.15	32.850	6.41							30	7.15	32.850	6.41	25.72	227	227	0.0692
47	7.25	32.860	6.31														
KOREA .JEONBUK 855 . STATION 308-06 . 36-19.8. N. 125-12.4. E. FEB. 4.1983. 19:10 KST. DEPTH 58 . COLOR . TRANS.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1023. . AIR TEMP. DRY 5.8. WET . CLOUD. TYPE AS. AMT 08. WEATHER C .																	
0	7.09	32.630	6.65							0	7.09	32.630	6.65	25.56	243	243	0.0000
10	6.89	32.660	6.70							10	6.89	32.660	6.70	25.61	238	238	0.0240
20	7.12	32.660	6.71							20	7.12	32.660	6.71	25.58	241	241	0.0480
30	6.99	32.680	6.50							30	6.99	32.680	6.50	25.61	238	238	0.0720
53	7.12	32.640	6.72							50	7.10	32.645	6.69	25.57	242	242	0.1201
KOREA .JEONBUK 855 . STATION 308-07 . 36-19.8. N. 125-00.0. E. FEB. 4.1983. 17:25 KST. DEPTH 68 . COLOR 5. TRANS. 7.0.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1023. . AIR TEMP. DRY 5.0. WET . CLOUD. TYPE AS. AMT 05. WEATHER BC.																	
0	7.09	32.590	6.69							0	7.09	32.590	6.69	25.53	246	245	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	7.09	32.590	6.41							10	7.09	32.590	6.41	25.53	246	246	0.0246
20	7.05	32.630	6.61							20	7.05	32.630	6.61	25.56	242	242	0.0490
30	7.10	32.720	6.55							30	7.10	32.720	6.55	25.63	236	236	0.0730
50	7.05	32.610	6.51							50	7.05	32.610	6.51	25.55	244	244	0.1211
63	7.11	32.630	6.42														
KOREA .JEONBUK 855 . STATION 308-08 . 36-19.8. N. 124-47.5. E. FEB. 4.1983. 15:45 KST. DEPTH 75 . COLOR 4. TRANS. 8.0.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1024. , AIR TEMP. DRY 4.9. WET , CLOUD. TYPE AS. AMT 08, WEATHER C ,																	
0	7.08	32.590	6.89							0	7.08	32.590	6.89	25.53	246	245	0.0000
10	7.12	32.610	6.82							10	7.12	32.610	6.82	25.54	245	245	0.0245
20	7.01	32.590	6.69							20	7.01	32.590	6.69	25.54	245	245	0.0490
30	7.12	32.610	6.63							30	7.12	32.610	6.63	25.54	245	245	0.0735
50	7.05	32.590	6.66							50	7.05	32.590	6.66	25.53	245	246	0.1227
70	7.15	32.410	6.42														
KOREA .JEONBUK 855 . STATION 308-09 . 36-19.8. N, 124-35.1. E, FEB. 4.1983. 13:55 KST. DEPTH 84 . COLOR 4. TRANS. 8.0.																	
WAVE 2. SWELL 1. WIND NW 3, BARO 1023. , AIR TEMP. DRY 7.7, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC,																	
0	7.11	32.630	6.79							0	7.11	32.630	6.79	25.56	243	243	0.0000
10	7.02	32.610	6.86							10	7.02	32.610	6.86	25.55	243	243	0.0243
20	7.14	32.770	6.81							20	7.14	32.770	6.81	25.66	233	233	0.0482
30	7.02	32.610	6.42							30	7.02	32.610	6.42	25.55	243	243	0.0720
50	7.15	32.770	6.06							50	7.15	32.770	6.06	25.66	233	234	0.1198
79	7.14	32.990	6.11							75	7.14	32.959	6.10	25.81	219	220	0.1766
KOREA .JEONBUK 855 , STATION 306-10 . 36-19.8. N. 124-23.0. E. FEB. 4.1983. 12:10 KST. DEPTH 80 , COLOR 3. TRANS. 8.0.																	
WAVE 3. SWELL 2. WIND NW 3. BARO 1024. , AIR TEMP. DRY 5.2, WET . CLOUD. TYPE AS. AMT 05. WEATHER BC.																	
0	7.18	32.700	6.60							0	7.18	32.700	6.60	25.60	239	238	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	7.24	32.700	6.82							10	7.24	32.700	6.82	25.59	240	239	0.0239
20	7.11	32.700	6.63							20	7.11	32.700	6.63	25.61	238	238	0.0478
30	7.24	32.720	6.29							30	7.24	32.720	6.29	25.61	238	238	0.0716
50	7.14	32.760	6.31							50	7.14	32.760	6.31	25.65	234	234	0.1190
75	7.26	32.790	6.16							75	7.26	32.790	6.16	25.66	233	234	0.1776

4 月(April)

KOREA .JEONBUK 855 , STATION 308-01 , 36-19.8. N, 126-14.4. E, APR.10.1983. 01:50 KST, DEPTH 20 , COLOR , TRANS. .
WAVE 2. SWELL 1, WIND E 2, BARO 1012. , AIR TEMP. DRY 8.7, WET , CLOUD. TYPE , AMT . WEATHER ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.98	32.500	6.55							0	7.98	32.500	6.55	25.33	264	264	0.0000
10	6.78	32.480	6.93							10	6.78	32.480	6.93	25.48	250	250	0.0257
17	6.28	32.430	6.42														

KOREA .JEONBUK 855 . STATION 308-02 . 36-19.8. N. 126-02.3. E. APR.10.1983, 00:15 KST, DEPTH 29 . COLOR . TRANS. .
WAVE 2, SWELL 1, WIND NE 2, BARO 1012. , AIR TEMP. DRY 9.4, WET , CLOUD. TYPE AC, AMT 10, WEATHER R ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.90	32.880	6.73							0	7.90	32.880	6.73	25.64	235	235	0.0000
10	6.99	32.860	6.46							10	6.99	32.860	6.46	25.75	224	224	0.0229
20	6.48	32.840	6.31							20	6.48	32.840	6.31	25.80	219	219	0.0452
26	6.30	32.860	6.13														

KOREA .JEONBUK 855 . STATION 308-03 . 36-19.8. N. 125-50.0. E. APR. 9.1983. 22:35 KST, DEPTH 50 , COLOR , TRANS. .
WAVE 1. SWELL 1, WIND NE 2. BARO 1012.5. AIR TEMP. DRY 9.8. WET . CLOUD. TYPE AC. AMT 10, WEATHER R .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.09	33.010	6.24							0	7.09	33.010	6.24	25.86	214	214	0.0000
10	6.94	32.990	6.31							10	6.94	32.990	6.31	25.86	214	214	0.0214
20	6.26	33.020	6.54							20	6.26	33.020	6.54	25.97	203	203	0.0423
30	6.15	33.040	6.82							30	6.15	33.040	6.82	26.00	201	201	0.0625
45	5.94	33.100	6.51														

KOREA ,JEONBUK 855 , STATION 308-04 , 36-19.8. N, 125-37.0. E, APR. 9.1983, 21:10 KST, DEPTH 55 , COLOR , TRANS. ,
WAVE 1, SWELL 1, WIND NE 2, BARO 1013. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE AC, AMT 10, WEATHER R ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.92	33.050	6.02							0	7.92	33.050	6.02	25.77	223	222	0.0000
10	7.81	33.020	6.01							10	7.81	33.020	6.01	25.76	223	223	0.0223
20	6.66	33.010	6.51							20	6.66	33.010	6.51	25.92	209	209	0.0439
30	6.35	33.050	6.61							30	6.35	33.050	6.61	25.99	202	202	0.0645
50	6.00	33.120	5.99							50	6.00	33.120	5.99	26.09	193	193	0.1042

KOREA ,JEONBUK 855 , STATION 308-05 , 36-19.8. N, 125-25.3. E, APR. 9.1983, 19:30 KST, DEPTH 52 , COLOR , TRANS. .
WAVE 1, SWELL 1, WIND E 2, BARO 1014.5, AIR TEMP. DRY 9.2, WET , CLOUD. TYPE AC, AMT 10, WEATHER R ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.38	32.780	6.12							0	7.38	32.780	6.12	25.64	235	235	0.0000
10	6.87	32.750	6.43							10	6.87	32.750	6.43	25.68	231	231	0.0233
20	6.37	32.780	6.29							20	6.37	32.780	6.29	25.77	223	223	0.0460
30	6.00	32.790	6.13							30	6.00	32.790	6.13	25.83	217	218	0.0681
47	5.90	32.770	6.09														

KOREA ,JEONBUK 855 , STATION 308-06 , 36-19.8. N, 125-12.4. E, APR. 9.1983, 17:55 KST, DEPTH 60 , COLOR 2, TRANS. 11.0,
WAVE 1, SWELL 1, WIND E 2, BARO 1015. , AIR TEMP. DRY 10.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER R ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.74	32.770	6.29							0	7.74	32.770	6.29	25.58	241	241	0.0000
10	7.59	32.770	5.91							10	7.59	32.770	5.91	25.60	239	239	0.0240
20	6.63	32.760	6.22							20	6.63	32.760	6.22	25.72	227	227	0.0473
30	6.47	32.720	6.06							30	6.47	32.720	6.06	25.71	228	228	0.0702
55	5.87	32.720	6.01							50	5.99	32.720	6.02	25.77	223	223	0.1154

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .JEONBUK 855 . STATION 308-07 , 36-19.8. N, 125-00.0. E, APR. 9.1983, 16:15 KST, DEPTH 69 , COLOR 2. TRANS. 12.0,
WAVE 1, SWELL 1, WIND SE 2, BARO 1016.5, AIR TEMP. DRY 9.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER R ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.48	32.560	5.61							0	7.48	32.560	5.61	25.45	253	253	0.0000
10	7.21	32.590	5.72							10	7.21	32.590	5.72	25.51	247	247	0.0250
20	6.68	32.680	5.91							20	6.68	32.680	5.91	25.65	234	234	0.0491
30	6.24	32.790	5.84							30	6.24	32.790	5.84	25.80	220	220	0.0719
50	5.96	32.770	6.11							50	5.96	32.770	6.11	25.81	219	219	0.1159
64	5.91	32.810	6.06														

KOREA .JEONBUK 855 . STATION 308-08 . 36-19.8. N. 124-47.5. E. APR. 9.1983. 14:40 KST. DEPTH 77 . COLOR 2. TRANS. 9.0.
WAVE 1, SWELL 1, WIND SE 2, BARO 1016. , AIR TEMP. DRY 6.8, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.70	32.590	6.22							0	7.70	32.590	6.22	25.44	254	254	0.0000
10	7.37	32.610	5.99							10	7.37	32.610	5.99	25.51	248	248	0.0251
20	6.97	32.590	5.83							20	6.97	32.590	5.83	25.54	244	244	0.0497
30	6.70	32.610	5.92							30	6.70	32.610	5.92	25.60	239	239	0.0739
50	6.16	32.590	5.65							50	6.16	32.590	5.65	25.65	234	235	0.1215
72	6.07	32.610	5.61														

KOREA .JEONBUK 855 . STATION 308-09 , 36-19.8. N, 124-35.1. E. APR. 9.1983, 13:00 KST, DEPTH 84 , COLOR 3, TRANS. 8.0,
WAVE 1, SWELL 1, WIND SE 2, BARO 1016. , AIR TEMP. DRY 8.9, WET , CLOUD. TYPE AC, AMT 09, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.74	32.810	6.03							0	7.74	32.810	6.03	25.61	238	238	0.0000
10	7.43	32.850	6.22							10	7.43	32.850	6.22	25.69	231	231	0.0234
20	7.19	32.810	6.04							20	7.19	32.810	6.04	25.69	231	231	0.0465
30	7.08	33.150	6.21							30	7.08	33.150	6.21	25.97	204	204	0.0683
50	6.50	33.160	6.15							50	6.50	33.160	6.15	26.05	196	196	0.1084
79	6.10	33.190	6.01							75	6.15	33.185	6.02	26.12	190	190	0.1568

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JEONBUK 855 , STATION 308-10 , 36-19.8. N, 124-23.0. E, APR. 9.1983, 11:25 KST, DEPTH 81 , COLOR 2, TRANS. 8.0,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1016.5, AIR TEMP. DRY 8.5, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	8.23	32.970	5.93							0	8.23	32.970	5.93	25.66	233	233	0.0000
10	7.50	32.910	5.81							10	7.50	32.910	5.81	25.72	227	227	0.0230
20	7.46	32.830	6.15							20	7.46	32.830	6.15	25.67	233	233	0.0460
30	7.20	32.840	6.11							30	7.20	32.840	6.11	25.71	229	229	0.0691
50	6.58	32.860	5.91							50	6.58	32.860	5.91	25.81	219	220	0.1141
76	6.32	32.810	6.01							75	6.33	32.811	6.00	25.80	220	220	0.1692

6月(June)

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JEONBUK 855 , STATION 308-01 , 36-19.8. N, 126-14.4. E, JUN.11.1983, 11:05 KST. DEPTH 22 , COLOR 5, TRANS. 4.0,																	
WAVE 2, SWELL 1, WIND S 2, BARO 1014.5, AIR TEMP. DRY 19.0, WET , CLOUD. TYPE CI, AMT 07, WEATHER BC,																	
0	15.90	32.070	5.73							0	15.90	32.070	5.73	23.54	435	435	0.0000
10	15.55	32.060	5.35							10	15.55	32.060	5.35	23.61	429	429	0.0432
20	15.52	32.170	5.59							20	15.52	32.170	5.59	23.70	420	420	0.0857
KOREA .JEONBUK 855 , STATION 308-02 , 36-19.8. N, 126-02.3. E, JUN.11.1983. 09:30 KST. DEPTH 28 , COLOR 5. TRANS. 8.0,																	
WAVE 2, SWELL 1, WIND S 2, BARO 1014. , AIR TEMP. DRY 17.5, WET , CLOUD. TYPE CI, AMT 06, WEATHER BC,																	
0	15.29	32.140	5.36							0	15.29	32.140	5.36	23.72	418	417	0.0000
10	14.76	32.180	5.83							10	14.76	32.180	5.83	23.87	404	404	0.0410
20	13.80	32.230	5.73							20	13.80	32.230	5.73	24.11	381	381	0.0803
26	13.21	32.280	5.76														
KOREA ,JEONBUK 855 , STATION 308-03 , 36-19.8. N, 125-50.0. E, JUN.11.1983, 07:50 KST, DEPTH 50 , COLOR 4, TRANS. 8.0,																	
WAVE 2, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 18.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	18.10	32.580	5.33							0	18.10	32.580	5.33	23.41	447	447	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	17.26	32.600	5.73							10	17.26	32.600	5.73	23.63	427	427	0.0437
20	14.57	32.600	5.71							20	14.57	32.600	5.71	24.23	369	369	0.0835
30	12.84	32.610	6.09							30	12.84	32.610	6.09	24.59	335	335	0.1188
35	8.81	32.620	6.71														

KOREA .JEONBUK 855 . STATION 308-04 . 36-19.8. N, 125-37.0. E. JUN.11.1983. 06:15 KST. DEPTH 50 .. COLOR 4. TRANS. 5.0.
WAVE 2. SWELL 1. WIND SW 2. BARO 1014. . AIR TEMP. DRY 18.6, WET , CLOUD. TYPE CI, AMT 02. WEATHER B ,

0	18.88	32.560	5.66							0	18.88	32.560	5.66	23.21	467	467	0.0000
10	17.28	32.540	5.52							10	17.28	32.540	5.52	23.58	431	431	0.0449
20	9.85	32.640	5.76							20	9.85	32.640	5.76	25.15	281	282	0.0806
30	8.23	32.700	6.02							30	8.23	32.700	6.02	25.45	253	253	0.1074
47	8.22	32.690	5.96														

KOREA .JEONBUK 855 . STATION 308-05 , 36-19.8. N, 125-25.3. E. JUN.11.1983. 04:35 KST. DEPTH 52 .. COLOR , TRANS. ,
WAVE 2. SWELL 1. WIND SW 2, BARO 1014.2. AIR TEMP. DRY 19.5. WET . CLOUD. TYPE . AMT , WEATHER F ,

0	19.21	32.590	5.41							0	19.21	32.590	5.41	23.15	473	472	0.0000
10	18.46	32.700	5.48							10	18.46	32.700	5.48	23.42	447	447	0.0460
20	12.29	32.710	5.95							20	12.29	32.710	5.95	24.77	318	318	0.0842
30	8.40	32.730	6.53							30	8.40	32.730	6.53	25.45	253	253	0.1128
50	7.78	32.840	5.59							50	7.78	32.840	5.59	25.63	236	237	0.1619

KOREA .JEONBUK 855 . STATION 308-06 , 36-19.8. N, 125-12.4. E, JUN.11.1983, 03:00 KST, DEPTH 58 , COLOR , TRANS. .
WAVE 2. SWELL 1. WIND SW 2. BARO 1014. , AIR TEMP. DRY 18.7, WET , CLOUD. TYPE , AMT . WEATHER F .

0	19.18	32.730	5.33							0	19.18	32.730	5.33	23.26	462	462	0.0000
10	18.51	32.700	5.23							10	18.51	32.700	5.23	23.40	448	448	0.0455
20	13.88	32.740	5.90							20	13.88	32.740	5.90	24.48	345	345	0.0852

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	7.58	32.800	6.46							30	7.58	32.800	6.46	25.62	237	237	0.1144
56	7.46	32.900	5.83							50	7.48	32.876	5.97	25.70	230	230	0.1611

KOREA ,JEONBUK 855 , STATION 308-07 , 36-19.8. N, 125-00.0. E, JUN.11.1983, 01:20 KST, DEPTH 68 , COLOR , TRANS. ,
WAVE 1, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 18.4, WET , CLOUD. TYPE , AMT 00, WEATHER F ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.12	32.680	5.34							0	19.12	32.680	5.34	23.24	464	464	0.0000
10	16.17	32.740	5.55							10	16.17	32.740	5.55	23.99	392	392	0.0428
20	11.33	32.720	6.46							20	11.33	32.720	6.46	24.96	300	300	0.0775
30	7.31	33.000	6.26							30	7.31	33.000	6.26	25.82	218	218	0.1034
50	7.25	33.020	5.96							50	7.25	33.020	5.96	25.84	216	216	0.1470
66	7.19	33.030	5.74														

KOREA ,JEONBUK 855 , STATION 308-08 , 36-19.8. N, 124-47.5. E, JUN.10.1983, 23:45 KST, DEPTH 76 , COLOR , TRANS. ,
WAVE 1, SWELL 1, WIND SW 2, BARO 1014.5, AIR TEMP. DRY 18.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.82	32.640	5.34							0	18.82	32.640	5.34	23.28	460	459	0.0000
10	16.36	32.620	5.53							10	16.36	32.620	5.53	23.85	405	405	0.0432
20	11.11	32.700	6.16							20	11.11	32.700	6.16	24.98	298	298	0.0784
30	7.95	32.770	6.33							30	7.95	32.770	6.33	25.55	244	244	0.1056
50	6.92	33.000	6.06							50	6.92	33.000	6.06	25.87	213	213	0.1514
74	6.95	33.010	5.38														

KOREA ,JEONBUK 855 , STATION 308-09 , 36-19.8. N, 124-35.1. E, JUN.10.1983, 22:00 KST, DEPTH 84 , COLOR , TRANS. ,
WAVE 1, SWELL 1, WIND S 2, BARO 1014. , AIR TEMP. DRY 19.2, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.26	32.570	5.51							0	18.26	32.570	5.51	23.37	452	451	0.0000
10	17.46	32.620	5.52							10	17.46	32.620	5.52	23.60	430	430	0.0440
20	12.23	32.750	6.31							20	12.23	32.750	6.31	24.82	313	314	0.0813

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	8.80	32.810	6.42							30	8.80	32.810	6.42	25.45	253	253	0.1096
50	6.55	32.820	6.02							50	6.55	32.820	6.02	25.78	222	222	0.1573
82	6.42	32.830	5.82							75	6.44	32.827	5.86	25.80	220	221	0.2127

KOREA .JEONBUK 855 , STATION 308-10 , 36-19.8. N, 124-23.0. E, JUN.10.1983, 20:20 KST, DEPTH 81 . , COLOR , TRANS. ,
WAVE 1, SWELL 1, WIND S 2, BARO 1014. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.83	32.720	5.31							0	16.83	32.720	5.31	23.34	454	454	0.0000
10	16.98	32.740	5.73							10	16.98	32.740	5.73	23.80	410	410	0.0432
20	11.80	32.770	6.42							20	11.80	32.770	6.42	24.91	304	304	0.0790
30	10.20	32.800	6.43							30	10.20	32.800	6.43	25.22	275	275	0.1080
50	7.03	32.840	6.03							50	7.03	32.840	6.03	25.73	226	227	0.1583
79	6.63	32.860	5.63							75	6.68	32.857	5.68	25.79	221	221	0.2145

8月(August)

KOREA .GANGWON 854 , STATION 308-01 , 36-19.8. N, 126-14.4. E, AUG. 8.1983, 09:00 KST. DEPTH 20 , COLOR 3, TRANS. 12.0,
WAVE SE 2, SWELL SE 2, WIND SE 2, BARO 1007. , AIR TEMP. DRY 26.0, WET , CLOUD. TYPE AS, AMT 08, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	24.00	31.730	5.60							0	24.00	31.730	5.60	21.19	660	660	0.0000
10	22.07	32.380	5.60							10	22.07	32.380	5.60	22.23	560	560	0.0610
18	21.21	32.490	5.70														

KOREA .GANGWON 854 , STATION 308-02 , 36-19.8. N, 126-02.3. E, AUG. 8.1983, 07:35 KST, DEPTH 28 . , COLOR 3, TRANS. 12.0.
WAVE 1, SWELL 1, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 27.0, WET , CLOUD. TYPE AS, AMT 08, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	26.19	31.930	5.53							0	26.19	31.930	5.53	20.68	709	708	0.0000
10	25.49	32.000	5.71							10	25.49	32.000	5.71	20.95	683	683	0.0696
20	21.08	32.510	5.73							20	21.08	32.510	5.73	22.60	525	526	0.1301
25	19.48	32.690	5.33														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 , STATION 308-03 , 36-19.8. N, 125-50.0. E, AUG. 8.1983, 06:10 KST. DEPTH 49 , COLOR , TRANS. ,																	
WAVE SW 2, SWELL SW 2, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 28.5, WET , CLOUD. TYPE AC, AMT 08, WEATHER C ,																	
0	27.20	32.210	5.23							0	27.20	32.210	5.23	20.57	719	719	0.0000
10	27.19	32.240	5.23							10	27.19	32.240	5.23	20.60	717	717	0.0718
20	24.09	32.310	5.23							20	24.09	32.310	5.23	21.60	621	621	0.1387
30	19.67	32.610	5.33							30	19.67	32.610	5.33	23.04	483	483	0.1939
45	14.70	32.830	5.63														
KOREA .GANGWON 854 . STATION 308-04 . 36-19.8. N, 125-37.0. E. AUG. 8.1983, 04:40 KST, DEPTH 50 , COLOR , TRANS. ,																	
WAVE , SWELL SW 2, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 28.0, WET , CLOUD. TYPE AS, AMT 08, WEATHER C ,																	
0	27.79	32.200	4.93							0	27.79	32.200	4.93	20.38	738	738	0.0000
10	25.89	32.210	5.08							10	25.89	32.210	5.08	20.98	680	680	0.0709
20	22.34	32.470	5.53							20	22.34	32.470	5.53	22.22	561	561	0.1330
30	19.03	32.820	5.53							30	19.03	32.820	5.53	23.37	452	452	0.1837
48	13.90	32.900	5.48														
KOREA .GANGWON 854 , STATION 308-05 , 36-19.8. N, 125-25.3. E, AUG. 8.1983, 03:15 KST, DEPTH 53 , COLOR , TRANS. .																	
WAVE 2, SWELL 2, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 28.1, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC,																	
0	27.84	32.200	5.43							0	27.84	32.200	5.43	20.36	739	739	0.0000
10	24.88	32.230	5.73							10	24.88	32.230	5.73	21.31	649	649	0.0694
20	18.78	32.720	5.73							20	18.78	32.720	5.73	23.35	453	453	0.1246
30	17.03	32.890	5.73							30	17.03	32.890	5.73	23.91	400	401	0.1673
51	13.98	32.900	5.53							50	14.12	32.899	5.53	24.56	338	339	0.2414
KOREA .GANGWON 854 . STATION 308-06 , 36-19.8. N, 125-12.4. E, AUG. 8.1983. 01:45 KST, DEPTH 57 . COLOR . TRANS. .																	
WAVE , SWELL 2, WIND SW 2, BARO 1006.5, AIR TEMP. DRY 27.8, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC,																	
0	27.80	32.190	5.33							0	27.80	32.190	5.33	20.37	739	739	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	27.58	32.210	5.83							10	27.58	32.210	5.83	20.45	731	731	0.0735
20	22.92	32.410	6.03							20	22.92	32.410	6.03	22.01	581	581	0.1391
30	13.27	32.880	5.91							30	13.27	32.880	5.91	24.71	323	324	0.1844
55	11.84	32.860	5.63							50	12.12	32.864	5.68	24.92	303	304	0.2473
KOREA .GANGWON 854 . STATION 308-07 , 36-19.8. N. 125-00.0. E. AUG. 8.1983. 00:20 KST. DEPTH 68 . COLOR . TRANS.																	
WAVE 2, SWELL SW 2, WIND SW 2, BARO 1006.5, AIR TEMP. DRY 28.0, WET , CLOUD. TYPE AS, AMT 05, WEATHER BC.																	
0	27.75	32.130	5.23							0	27.75	32.130	5.23	20.34	742	741	0.0000
10	21.97	32.380	5.48							10	21.97	32.380	5.48	22.26	558	558	0.0650
20	12.95	32.830	5.73							20	12.95	32.830	5.73	24.74	321	321	0.1090
30	10.66	32.810	5.63							30	10.66	32.810	5.63	25.15	282	282	0.1392
50	10.09	32.810	5.55							50	10.09	32.810	5.55	25.25	273	273	0.1948
66	9.39	32.830	5.43														
KOREA ,GANGWON 854 , STATION 308-08 , 36-19.8. N, 124-47.5. E, AUG. 7.1983, 22:55 KST, DEPTH 74 , COLOR , TRANS.																	
WAVE 2, SWELL SW 2, WIND SW 2, BARO 1006. , AIR TEMP. DRY 28.2, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC.																	
0	26.80	32.020	5.30							0	26.80	32.020	5.30	20.56	721	720	0.0000
10	27.08	32.090	5.33							10	27.08	32.090	5.33	20.52	724	724	0.0722
20	23.24	32.410	5.53							20	23.24	32.410	5.53	21.92	590	590	0.1380
30	15.14	32.780	5.73							30	15.14	32.780	5.73	24.25	368	368	0.1859
50	12.11	32.790	5.46							50	12.11	32.790	5.46	24.87	308	309	0.2538
72	10.32	32.850	5.43														
KOREA ,GANGWON 854 , STATION 308-09 , 36-19.8. N, 124-35.1. E, AUG. 7.1983, 21:35 KST, DEPTH 83 , COLOR , TRANS.																	
WAVE 2, SWELL 2, WIND SW 3, BARO 1006. , AIR TEMP. DRY 28.2, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,																	
0	27.59	31.930	4.98							0	27.59	31.930	4.98	20.24	751	751	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	25.51	32.140	5.38							10	25.51	32.140	5.38	21.05	674	674	0.0712
20	21.45	32.460	5.83							20	21.45	32.460	5.83	22.46	538	539	0.1319
30	10.76	32.810	6.05							30	10.76	32.810	6.05	25.13	284	284	0.1731
50	9.46	32.790	6.03							50	9.46	32.790	6.03	25.33	264	265	0.2280
61	9.44	32.800	5.63							75	9.44	32.798	5.70	25.34	263	264	0.2943

KOREA ,GANGWON 854 . STATION 308-10 . 36-19.8. N. 124-23.0. E, AUG. 7.1983, 20:15 KST, DEPTH 80. , COLOR , TRANS. ,
WAVE SW 2, SWELL SW 2, WIND SW 3, BARO 1006. , AIR TEMP. DRY 28.3, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,

0	28.09	31.910	4.74							0	28.09	31.910	4.74	20.06	768	768	0.0000
10	25.79	32.140	5.03							10	25.79	32.140	5.03	20.96	682	682	0.0725
20	21.93	32.420	5.33							20	21.93	32.420	5.33	22.30	554	554	0.1343
30	11.95	32.750	5.63							30	11.95	32.750	5.63	24.87	308	309	0.1775
50	9.26	32.790	5.68							50	9.26	32.790	5.68	25.37	261	262	0.2347
78	9.19	32.810	5.43							75	9.19	32.807	5.45	25.39	259	260	0.3001

10月(October)

KOREA ,JEONBUK 855 , STATION 308-01 , 36-19.8. N, 126-14.4. E, OCT.10.1983, 17:40 KST, DEPTH 21. , COLOR 5, TRANS. 3.0,
WAVE 1, SWELL 1, WIND W 1, BARO 1022. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	20.92	32.220	5.31							0	20.92	32.220	5.31	22.42	542	542	0.0000
10	20.11	32.240	5.29							10	20.11	32.240	5.29	22.65	520	520	0.0531
18	19.93	32.250	5.40														

KOREA ,JEONBUK 855 , STATION 308-02 , 36-19.8. N, 126-02.3. E, OCT.10.1983, 16:05 KST, DEPTH 28 , COLOR 5, TRANS.
WAVE 1, SWELL 1, WIND W 1, BARO 1023. , AIR TEMP. DRY 20.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	20.61	32.120	5.51							0	20.61	32.120	5.51	22.43	542	541	0.
10	19.92	32.190	5.31							10	19.92	32.190	5.31	22.66	519	519	0.

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	19.63	32.230	5.60							20	19.63	32.230	5.60	22.77	509	509	0.
26	19.30	32.240	5.41														
KOREA .JEONBUK 855 . STATION 308-03 , 36-19.8. N, 125-50.0. E, OCT.10.1983, 14:25 KST, DEPTH 49 , COLOR 4, TRANS. 6.0,																	
WAVE 1, SWELL 1, WIND W 1, BARO 1023. , AIR TEMP. DRY 21.3, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	19.30	32.160	5.80							0	19.30	32.160	5.80	22.80	506	506	0.0000
10	19.27	32.160	5.76							10	19.27	32.160	5.76	22.80	505	505	0.0506
20	19.14	32.230	5.72							20	19.14	32.230	5.72	22.89	497	498	0.1008
30	17.74	32.210	5.41							30	17.74	32.210	5.41	23.22	466	466	0.1490
46	17.44	32.350	5.21														
KOREA ,JEONBUK 855 , STATION 308-04 , 36-19.8. N, 125-37.0. E, OCT.10.1983, 12:10 KST, DEPTH 52 , COLOR 4, TRANS. 10.0,																	
WAVE 1, SWELL 1, WIND W 1, BARO 1022.5, AIR TEMP. DRY 20.9, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	20.45	32.110	5.71							0	20.45	32.110	5.71	22.46	538	538	0.0000
10	20.23	32.100	5.41							10	20.23	32.100	5.41	22.51	533	533	0.0536
20	16.63	32.210	5.61							20	16.63	32.210	5.61	23.48	441	441	0.1023
30	16.09	32.100	5.22							30	16.09	32.100	5.22	23.52	437	438	0.1464
50	16.03	32.450	5.03							50	16.03	32.450	5.03	23.80	410	412	0.2314
KOREA ,JEONBUK 855 , STATION 308-05 , 36-19.6. N. 125-25.3. E. OCT.10.1983, 11:10 KST. DEPTH 52. , COLOR 4, TRANS. 12.0,																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1022. . AIR TEMP. DRY 20.2, WET . CLOUD. TYPE CI. AMT 01, WEATHER B ,																	
0	20.38	32.080	5.53							0	20.38	32.080	5.53	22.46	539	538	0.0000
10	20.29	32.130	5.43							10	20.29	32.130	5.43	22.52	533	533	0.0536
20	20.14	32.160	5.39							20	20.14	32.160	5.39	22.58	527	527	0.1066
30	15.79	32.220	5.37							30	15.79	32.220	5.37	23.68	422	423	0.1541
50	15.74	32.530	5.21							50	15.74	32.530	5.21	23.92	398	399	0.2364

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 308-06 , 36-19.6. N, 125-12.4. E, OCT.10.1983, 09:35 KST, DEPTH 58 . , COLOR 3, TRANS. 12.0,																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1022.5, AIR TEMP. DRY 19.5, WET , CLOUD. TYPE , AMT 00, WEATHER B .																	
0	20.43	32.040	5.61							0	20.43	32.040	5.61	22.41	543	542	0.0000
10	20.43	32.050	5.51							10	20.43	32.050	5.51	22.42	542	542	0.0542
20	19.87	32.100	5.50							20	19.87	32.100	5.50	22.60	524	525	0.1076
30	19.82	32.110	5.49							30	19.82	32.110	5.49	22.63	523	523	0.1601
56	14.01	32.360	5.62							50	15.35	32.302	5.59	23.84	407	408	0.2533
KOREA .JEONBUK 855 . STATION 308-07 , 36-19.6. N, 125-00.0. E, OCT.10.1983. 07:55 KST. DEPTH 67 ., COLOR 3, TRANS. 1.5.																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1022. , AIR TEMP. DRY 18.6, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	20.34	32.070	5.41							0	20.34	32.070	5.41	22.46	538	538	0.0000
10	20.28	32.110	5.51							10	20.28	32.110	5.51	22.51	534	534	0.0536
20	20.26	32.130	5.41							20	20.26	32.130	5.41	22.53	532	532	0.1070
30	19.16	32.160	5.63							30	19.16	32.160	5.63	22.83	503	503	0.1586
50	15.70	32.180	5.41							50	15.70	32.180	5.41	23.67	423	424	0.2517
65	12.76	32.520	5.42														
KOREA .JEONBUK 855 , STATION 308-08 . 36-19.6. N. 124-47.5. E, OCT.10.1983. 06:20 KST, DEPTH 76 . COLOR , TRANS. .																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1022.5, AIR TEMP. DRY 18.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	20.62	32.050	5.50							0	20.62	32.050	5.50	22.37	547	547	0.0000
10	20.31	32.130	5.48							10	20.31	32.130	5.48	22.51	533	533	0.0540
20	20.21	32.100	5.32							20	20.21	32.100	5.32	22.52	533	533	0.1074
30	17.02	32.200	5.82							30	17.02	32.200	5.82	23.38	450	451	0.1566
50	12.22	32.350	5.62							50	12.22	32.350	5.62	24.51	343	344	0.2362
73	12.20	32.450	5.52														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 308-07 , 36-19.8. N. 124-35.1. E, OCT.10.1983, 04:40 KST, DEPTH 83 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1022.5, AIR TEMP. DRY 18.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B .																	
0	20.43	32.110	5.33							0	20.43	32.110	5.33	22.47	538	537	0.0000
10	20.37	32.110	5.12							10	20.37	32.110	5.12	22.48	536	536	0.0537
20	20.32	32.110	5.41							20	20.32	32.110	5.41	22.50	535	535	0.1073
30	15.14	32.210	5.41							30	15.14	32.210	5.41	23.81	409	410	0.1546
50	13.45	32.460	5.52							50	13.45	32.460	5.52	24.35	357	358	0.2315
80	9.96	32.710	5.61							75	10.54	32.668	5.59	25.06	290	292	0.3129
KOREA ,JEONBUK 855 , STATION 308-10 , 36-19.8. N, 124-23.0. E, OCT.10.1983, 03:05 KST, DEPTH 81 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1022. , AIR TEMP. DRY 18.2, WET , CLOUD. TYPE CI, AMT 01, WEATHER B .																	
0	20.07	32.060	5.51							0	20.07	32.060	5.51	22.52	532	532	0.0000
10	19.95	32.110	5.26							10	19.95	32.110	5.26	22.59	526	526	0.0529
20	19.72	32.160	5.42							20	19.72	32.160	5.42	22.69	516	517	0.1051
30	15.91	32.260	5.49							30	15.91	32.260	5.49	23.68	422	422	0.1521
50	15.15	32.710	5.83							50	15.15	32.710	5.83	24.19	373	374	0.2318
78	9.15	32.770	5.43							75	9.79	32.763	5.47	25.26	271	272	0.3127

12月(December)

KOREA .JEONBUK 855 , STATION 308-01 . 36-19.8. N, 126-14.4. E, DEC. 8.1983. 13:35 KST, DEPTH 21 , COLOR 6, TRANS. 1.5,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1028. , AIR TEMP. DRY 11.4, WET , CLOUD. TYPE AC, AMT 06, WEATHER BC,																	
0	11.43	32.050	6.40							0	11.43	32.050	6.40	24.42	351	351	0.0000
10	11.35	32.130	6.41							10	11.35	32.130	6.41	24.50	344	344	0.0347
18	11.43	32.170	6.48														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 308-02 , 36-19.8. N, 126-02.3. E, DEC. 8.1983, 11:55 KST, DEPTH 30 . , COLOR 5, TRANS. 2.0.																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1028. , AIR TEMP. DRY 11.0, WET , CLOUD. TYPE AC, AMT 09, WEATHER C .																	
0	11.56	32.060	6.43							0	11.56	32.060	6.43	24.41	353	352	0.0000
10	11.43	32.070	6.48							10	11.43	32.070	6.48	24.44	350	349	0.0351
20	11.41	32.210	6.28							20	11.41	32.210	6.28	24.55	339	339	0.0696
28	11.32	32.220	6.39														
KOREA .JEONBUK 855 , STATION 308-03 , 36-19.8. N, 125-50.0. E. DEC. 8.1983, 10:15 KST, DEPTH 49 . COLOR 5. TRANS. 2.0.																	
WAVE 1, SWELL 1, WIND N 2, BARO 1028. , AIR TEMP. DRY 10.1, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	11.60	32.190	6.43							0	11.60	32.190	6.43	24.50	344	343	0.0000
10	11.49	32.150	6.50							10	11.49	32.150	6.50	24.49	345	345	0.0344
20	11.49	32.180	6.40							20	11.49	32.180	6.40	24.51	342	343	0.0688
30	11.48	32.220	6.39							30	11.48	32.220	6.39	24.54	339	340	0.1030
45	11.42	32.310	6.23														
KOREA .JEONBUK 855 , STATION 308-04 . 36-19.8. N, 125-37.0. E. DEC. 8.1983. 08:35 KST, DEPTH 51 . , COLOR 5. TRANS. 2.0.																	
WAVE 1, SWELL 1, WIND N 2, BARO 1028. , AIR TEMP. DRY 9.2, WET , CLOUD. TYPE AC, AMT 08, WEATHER C .																	
0	11.05	32.250	6.09							0	11.05	32.250	6.09	24.64	330	330	0.0000
10	11.02	32.260	6.36							10	11.02	32.260	6.36	24.66	329	328	0.0329
20	10.51	32.290	6.04							20	10.51	32.290	6.04	24.77	318	318	0.0653
30	10.88	32.290	6.09							30	10.88	32.290	6.09	24.71	324	324	0.0974
48	10.99	32.430	6.29														
KOREA .JEONBUK 855 , STATION 308-05 , 36-19.8. N, 125-25.3. E, DEC. 8.1983. 06:55 KST, DEPTH 52 . , COLOR . TRANS.																	
WAVE 1, SWELL 1, WIND N 2, BARO 1027. , AIR TEMP. DRY 9.0, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC,																	
0	10.58	32.250	6.00							0	10.58	32.250	6.00	24.73	322	322	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	10.45	32.300	6.28							10	10.45	32.300	6.28	24.79	316	316	0.0319
20	10.46	32.330	6.24							20	10.48	32.330	6.24	24.81	314	315	0.0635
30	10.58	32.330	6.27							30	10.58	32.330	6.27	24.79	316	316	0.0951
50	10.57	32.420	6.06							50	10.57	32.420	6.06	24.86	309	310	0.1578

KOREA .JEONBUK 855 , STATION 308-06 , 36-19.8. N. 125-12.4. E. DEC. 6.1983. 05:20 KST. DEPTH 58 . COLOR . TRANS.
WAVE 2, SWELL 1, WIND N 2, BARO 1027. , AIR TEMP. DRY 9.1, WET , CLOUD. TYPE AC. AMT 04, WEATHER BC.

0	10.85	32.240	6.18							0	10.85	32.240	6.18	24.67	327	327	0.0000
10	10.85	32.330	6.59							10	10.85	32.330	6.59	24.74	321	320	0.0324
20	10.74	32.320	6.41							20	10.74	32.320	6.41	24.75	319	320	0.0644
30	10.29	32.330	6.01							30	10.29	32.330	6.01	24.84	311	312	0.0960
55	9.80	32.480	5.89							50	9.89	32.450	5.91	25.00	296	297	0.1570

KOREA .JEONBUK 855 , STATION 308-07 , 36-19.8. N. 125-00.0. E, DEC. 6.1983. 03:40 KST, DEPTH 67 , COLOR , TRANS.
WAVE 2, SWELL . 2, WIND N 3, BARO 1028. , AIR TEMP. DRY 9.0, WET , CLOUD. TYPE AC, AMT 05, WEATHER BC,

0	11.10	32.260	6.50							0	11.10	32.260	6.50	24.64	330	330	0.0000
10	11.00	32.210	6.59							10	11.00	32.210	6.59	24.62	332	332	0.0331
20	11.07	32.230	6.68							20	11.07	32.230	6.68	24.63	332	332	0.0663
30	11.19	32.210	6.23							30	11.19	32.210	6.23	24.59	335	335	0.0997
50	10.82	32.370	6.03							50	10.82	32.370	6.03	24.78	317	318	0.1651
65	8.42	32.760	5.88														

KOREA .JEONBUK 855 . STATION 308-08 . 36-19.8. N. 124-47.5. E. DEC. 6.1983. 02:05 KST. DEPTH 76 . COLOR . TRANS.
WAVE 2, SWELL 2, WIND N 3, BARO 1028. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE AC. AMT 04, WEATHER BC,

0	11.13	32.110	6.59							0	11.13	32.110	6.59	24.52	342	341	0.0000
10	11.16	32.150	6.61							10	11.16	32.150	6.61	24.55	339	339	0.0340

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	11.15	32.150	6.51							20	11.15	32.150	6.51	24.55	339	339	0.0680
30	11.07	32.290	6.32							30	11.07	32.290	6.32	24.67	327	328	0.1013
50	10.35	32.720	5.89							50	10.35	32.720	5.89	25.13	284	284	0.1626
74	8.43	32.780	5.72														
KOREA .JEONBUK 855 . STATION 308-09 . 36-19.8. N. 124-35.1. E. DEC. 8.1983. 00:20 KST, DEPTH 84 , COLOR , TRANS. ,																	
WAVE 2, SWELL 2, WIND NW 4, BARO 1028.5, AIR TEMP. DRY 9.0. WET . CLOUD. TYPE AC. AMT 06, WEATHER BC.																	
0	11.20	32.110	6.10							0	11.20	32.110	6.10	24.51	343	342	0.0000
10	11.11	32.140	6.31							10	11.11	32.140	6.31	24.55	339	339	0.0341
20	11.08	32.140	6.11							20	11.08	32.140	6.11	24.55	338	339	0.0680
30	11.17	32.140	6.20							30	11.17	32.140	6.20	24.54	340	340	0.1020
50	10.25	32.850	6.01							50	10.25	32.850	6.01	25.25	272	273	0.1634
82	8.40	32.850	5.59							75	8.80	32.850	5.68	25.48	250	251	0.2290
KOREA ,JEONBUK 855 , STATION 308-10 , 36-19.8. N, 124-23.0. E, DEC. 7.1983, 22:40 KST, DEPTH 81 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND NW 4, BARO 1028. , AIR TEMP. DRY 8.8, WET , CLOUD. TYPE AC. AMT 06, WEATHER BC.																	
0	11.59	32.160	6.03							0	11.59	32.160	6.03	24.48	346	345	0.0000
10	11.63	32.140	6.41							10	11.63	32.140	6.41	24.46	348	348	0.0347
20	11.66	32.100	6.29							20	11.66	32.100	6.29	24.42	351	351	0.0697
30	11.53	32.140	6.01							30	11.53	32.140	6.01	24.47	346	346	0.1046
50	8.71	32.930	5.89							50	8.71	32.930	5.89	25.56	243	243	0.1637
78	8.80	32.990	5.69							75	8.79	32.983	5.71	25.59	240	241	0.2243

309線 海洋觀測 成績

Oceanographic Data. Line 309

2月(February)

KOREA .JEONBUK 855 . STATION 309-01 . 35-51.3. N. 126-14.7. E. FEB.16.1983, 08:55 KST. DEPTH 27 . COLOR 6. TRANS. 1.1.

WAVE 2. SWELL 1. WIND NE 2, BARO 1022.5. AIR TEMP. DRY 2.5. WET . CLOUD. TYPE AC. AMT 10. WEATHER C .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	4.83	32.380	6.72							0	4.83	32.380	6.72	25.64	235	235	0.0000
10	4.74	32.440	6.61							10	4.74	32.440	6.61	25.69	230	230	0.0232
20	4.69	32.450	6.70							20	4.89	32.450	6.70	25.69	231	231	0.0463
24	4.91	32.490	6.50														

KOREA .JEONBUK 855 . STATION 309-02 . 35-51.3. N. 126-02.0. E. FEB.16.1983. 11:00 KST. DEPTH 45 . COLOR 6. TRANS. 1.8.

WAVE 2, SWELL 1, WIND NE 2, BARO 1022.5, AIR TEMP. DRY 4.6, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	5.68	32.380	6.69							0	5.68	32.380	6.69	25.54	245	244	0.0000
10	5.56	32.370	6.77							10	5.56	32.370	6.77	25.55	244	244	0.0244
20	5.61	32.340	6.81							20	5.61	32.340	6.81	25.52	247	247	0.0490
30	5.71	32.390	6.63							30	5.71	32.390	6.63	25.55	244	244	0.0736
41	5.71	32.470	6.39														

KOREA .JEONBUK 855 . STATION 309-03 . 35-51.3. N, 125-49.3. E. FEB.16.1983. 13:10 KST, DEPTH 54 . COLOR 3. TRANS. 12.0.

WAVE 2, SWELL 1, WIND NE 2, BARO 1020.5, AIR TEMP. DRY 5,6. WET , CLOUD. TYPE AC, AMT 10, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.47	32.320	6.85							0	6.47	32.320	6.85	25.40	258	258	0.0000
10	6.35	32.390	6.63							10	6.35	32.390	6.63	25.47	252	251	0.0255
20	6.39	32.360	6.51							20	6.39	32.360	6.51	25.44	254	254	0.0508
30	6.45	32.470	6.61							30	6.45	32.470	6.61	25.52	247	247	0.0759
50	6.44	32.460	6.53							50	6.44	32.460	6.53	25.51	247	248	0.1254

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JEONBUK 855 , STATION 309-04 , 35-51.3. N, 125-37.0. E, FEB.22.1983, 06:30 KST, DEPTH 60 , COLOR , TRANS. ,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1035. , AIR TEMP. DRY 0.9, WET , CLOUD. TYPE AS, AMT 04, WEATHER BC,																	
0	5.11	32.320	6.49							0	5.11	32.320	6.49	25.56	243	243	0.0000
10	5.31	32.480	6.64							10	5.31	32.480	6.64	25.66	233	233	0.0238
20	5.51	32.500	6.41							20	5.51	32.500	6.41	25.66	234	234	0.0471
30	5.52	32.610	6.43							30	5.52	32.610	6.43	25.74	225	225	0.0701
55	5.53	32.720	6.28							50	5.52	32.698	6.31	25.81	219	219	0.1147
KOREA ,JEONBUK 855 , STATION 309-05 , 35-51.3. N, 125-24.4. E, FEB.22.1983, 08:35 KST, DEPTH 71 , COLOR 3, TRANS. 13.0,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1036.5, AIR TEMP. DRY 1.2, WET , CLOUD. TYPE AC, AMT 02, WEATHER B ,																	
0	5.19	32.720	6.49							0	5.19	32.720	6.49	25.87	214	213	0.0000
10	5.54	32.630	6.49							10	5.54	32.630	6.49	25.75	224	224	0.0219
20	5.71	32.640	6.32							20	5.71	32.640	6.32	25.74	225	225	0.0444
30	5.71	32.660	6.51							30	5.71	32.660	6.51	25.76	224	224	0.0669
50	5.70	32.650	6.60							50	5.70	32.650	6.60	25.75	225	225	0.1119
66	5.71	32.740	6.48														
KOREA ,JEONBUK 855 , STATION 309-06 , 35-51.3. N, 125-12.3. E, FEB.22.1983, 10:20 KST, DEPTH 64 , COLOR 3, TRANS. 9.0,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1036.5, AIR TEMP. DRY 2.8, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	5.77	32.660	6.47							0	5.77	32.660	6.47	25.75	225	224	0.0000
10	5.76	32.660	6.51							10	5.76	32.660	6.51	25.75	224	224	0.0224
20	5.77	32.660	6.46							20	5.77	32.660	6.46	25.75	225	224	0.0449
30	5.72	32.660	6.52							30	5.72	32.660	6.52	25.76	224	224	0.0674
50	5.74	32.700	6.51							50	5.74	32.700	6.51	25.79	221	221	0.1120
59	5.70	32.690	6.51														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEUNBUK 855 . STATION 309-07 . 35-51.3. N, 125-00.0. E, FEB.22.1983. 12:00 KST. DEPTH 66 . COLOR 3. TRANS. 1?.0.																	
WAVE 2. SWELL 1, WIND NE 2. BARO 1037. , AIR TEMP. DRY 3.1, WET . CLOUD. TYPE . AMT 00. WEATHER B .																	
0	6.38	32.650	6.26							0	6.38	32.650	6.26	25.67	232	232	0.0000
10	6.32	32.640	6.41							10	6.32	32.640	6.41	25.67	232	232	0.0232
20	6.40	32.700	6.59							20	6.40	32.700	6.59	25.70	229	229	0.0463
30	6.40	32.700	6.42							30	6.40	32.700	6.42	25.70	229	229	0.0693
50	6.35	32.680	6.41							50	6.35	32.680	6.41	25.70	230	230	0.1153
61	6.33	32.680	6.46														
KOREA .JEONBUK 855 , STATION 309-08 , 35-51.3. N, 124-47.8. E, FEB.22.1983, 13:45 KST, DEPTH 82 , COLOR 3, TRANS. 12.0,																	
WAVE 2, SWELL 1, WIND N 2, BARO 1036. , AIR TEMP. DRY 5.0, WET , CLOUD. TYPE , AMT 00, WEATHER B .																	
0	7.00	32.720	6.38							0	7.00	32.720	6.38	25.64	235	235	0.0000
10	6.86	32.770	6.39							10	6.86	32.770	6.39	25.70	229	229	0.0232
20	6.85	32.760	6.53							20	6.85	32.760	6.53	25.69	230	230	0.0462
30	6.80	32.760	6.73							30	6.80	32.760	6.73	25.70	229	229	0.0692
50	6.79	32.760	6.52							50	6.79	32.760	6.52	25.70	229	230	0.1152
77	6.70	32.810	6.44							75	6.70	32.806	6.44	25.75	225	225	0.1723
KOREA .JEONBUK 855 . STATION 309-09 . 35-51.3. N, 124-35.1. E. FEB.22.1983, 15:25 KST. DEPTH 81. , COLOR 3. TRANS. 12.0.																	
WAVE 2, SWELL 1, WIND SE 2, BARO 1035.5, AIR TEMP. DRY 5.8, WET , CLOUD. TYPE , AMT 00, WEATHER B .																	
0	7.23	32.740	6.36							0	7.23	32.740	6.36	25.63	236	236	0.0000
10	6.90	32.700	6.23							10	6.90	32.700	6.23	25.64	235	235	0.0236
20	6.86	32.720	6.16							20	6.86	32.720	6.16	25.66	233	233	0.0470
30	6.87	32.720	6.23							30	6.87	32.720	6.23	25.66	233	233	0.0704
50	6.83	32.720	6.52							50	6.83	32.720	6.52	25.66	233	233	0.1171
76	6.71	32.720	6.21							75	6.71	32.720	6.22	25.68	231	232	0.1754

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JEONBUK 855 , STATION 309-10 , 35-51.3. N, 124-22.8. E, FEB.22.1983, 17:10 KST, DEPTH 88. , COLOR 3, TRANS. 12.0,
WAVE 2. SWELL 1. WIND SE 2. BARO 1035. , AIR TEMP. DRY 5.5, WET . CLOUD. TYPE CI. AMT 02, WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.23	32.650	6.21							0	7.23	32.650	6.21	25.56	243	243	0.0000
10	6.95	32.680	6.29							10	6.95	32.680	6.29	25.62	237	237	0.0240
20	6.82	32.770	6.39							20	6.82	32.770	6.39	25.71	229	229	0.0473
30	6.93	32.850	6.31							30	6.93	32.850	6.31	25.75	224	224	0.0701
50	6.90	32.850	6.33							50	6.90	32.850	6.33	25.76	224	224	0.1150
75	6.90	32.900	6.35							75	6.90	32.900	6.35	25.80	220	221	0.1708
83	6.81	32.920	6.41														

4月(April)

KOREA ,JEONBUK 855 , STATION 309-01 , 35-51.3. N, 126-14.7. E, APR.11.1983, 08:50 KST, DEPTH 30 , COLOR 5, TRANS. 3.0,
WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 10.4, WET , CLOUD. TYPE CI, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	8.40	32.610	6.92							0	8.40	32.610	6.92	25.36	262	262	0.0000
10	6.81	32.670	6.90							10	6.81	32.670	6.90	25.63	236	236	0.0249
20	6.66	32.690	6.41							20	6.66	32.690	6.41	25.66	233	233	0.0484
27	6.59	32.790	6.01														

KOREA ,JEONBUK 855 , STATION 309-02 , 35-51.3. N, 126-02.0. E, APR.11.1983, 10:25 KST, DEPTH 45 , COLOR 4, TRANS. 7.0,
WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 10.9, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.92	32.850	6.82							0	7.92	32.850	6.82	25.62	237	237	0.0000
10	6.86	32.950	6.72							10	6.86	32.950	6.72	25.84	216	216	0.0226
20	6.75	32.990	6.83							20	6.75	32.990	6.83	25.89	212	212	0.0441
30	6.61	32.950	6.84							30	6.61	32.950	6.84	25.87	213	213	0.0653
41	6.57	32.940	6.87														

KOREA ,JEONBUK 855 , STATION 309-03 , 35-51.3. N, 125-49.3. E, APR.11.1983, 12:00 KST, DEPTH 54 , COLOR 4, TRANS. 7.0, ,
WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 10.4, WET , CLOUD. TYPE C1, AMT 04, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	8.21	32.710	6.49							0	8.21	32.710	6.49	25.46	252	252	0.0000
10	7.86	32.720	6.71							10	7.86	32.720	6.71	25.52	246	246	0.0249
20	6.71	32.770	6.83							20	6.71	32.770	6.83	25.72	228	227	0.0486
30	6.70	32.810	6.63							30	6.70	32.810	6.63	25.75	224	225	0.0713
50	6.61	32.830	6.73							50	6.61	32.830	6.73	25.78	222	222	0.1160

KOREA ,JEONBUK 855 , STATION 309-04 , 35-51.3. N, 125-37.0. E, APR.11.1983, 13:40 KST, DEPTH 60 , COLOR 3, TRANS. 10.0,
WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 11.5, WET , CLOUD. TYPE C1, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	8.60	32.810	6.51							0	8.60	32.810	6.51	25.48	250	250	0.0000
10	7.89	32.790	6.61							10	7.89	32.790	6.61	25.57	241	241	0.0246
20	6.58	32.790	6.33							20	6.58	32.790	6.33	25.75	224	224	0.0479
30	6.36	32.810	6.36							30	6.36	32.810	6.36	25.80	220	220	0.0702
55	6.29	32.890	5.63							50	6.30	32.874	5.77	25.85	215	215	0.1138

KOREA ,JEONBUK 855 , STATION 309-05 , 35-51.3. N, 125-24.4. E, APR.11.1983, 15:15 KST, DEPTH 70 , COLOR 3, TRANS. 11.0,
WAVE 1, SWELL 1, WIND SW 2, BARO 1011.7, AIR TEMP. DRY 9.8, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	8.54	32.700	6.54							0	8.54	32.700	6.54	25.41	257	257	0.0000
10	7.33	33.150	6.41							10	7.33	33.150	6.41	25.93	207	207	0.0232
20	6.76	33.190	6.21							20	6.76	33.190	6.21	26.04	197	197	0.0434
30	6.34	33.150	6.13							30	6.34	33.150	6.13	26.07	195	195	0.0631
50	6.33	33.170	5.71							50	6.33	33.170	5.71	26.08	193	193	0.1019
65	6.26	33.220	6.73														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 309-06 , 35-51.3. N, 125-12.3. E, APR.11.1983, 16:50 KST. DEPTH 65 . COLOR 2, TRANS. 11.0,																	
WAVE 1. SWELL 1, WIND W 2. BARO 1012. , AIR TEMP. DRY 9.4, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	8.55	33.130	7.51							0	8.55	33.130	7.51	25.74	226	225	0.0000
10	7.64	33.210	7.11							10	7.64	33.210	7.11	25.94	207	207	0.0216
20	6.67	33.210	6.21							20	6.67	33.210	6.21	26.07	194	194	0.0417
30	6.35	33.220	6.51							30	6.35	33.220	6.51	26.12	189	190	0.0609
50	6.27	33.190	6.81							50	6.27	33.190	6.81	26.11	191	191	0.0991
60	6.26	33.210	6.41														
KOREA .JEONBUK 855 , STATION 309-07 , 35-51.3. N, 125-00.0. E, APR.11.1983, 18:25 KST, DEPTH 66 , COLOR 3, TRANS. 11.0,																	
WAVE 1, SWELL 2, WIND W 2, BARO 1012.5, AIR TEMP. DRY 9.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	8.45	33.190	6.57							0	8.45	33.190	6.57	25.80	220	219	0.0000
10	7.53	33.210	6.73							10	7.53	33.210	6.73	25.95	205	205	0.0212
20	7.20	33.220	6.63							20	7.20	33.220	6.63	26.01	200	200	0.0415
30	6.47	33.210	6.47							30	6.47	33.210	6.47	26.10	192	192	0.0612
50	6.38	33.240	6.31							50	6.38	33.240	6.31	26.13	188	189	0.0993
61	6.30	33.240	6.26														
KOREA .JEONBUK 855 , STATION 309-08 . 35-51.3. N, 124-47.8. E, APR.11.1983, 20:00 KST, DEPTH 82 , COLOR , TRANS.																	
WAVE 1, SWELL 2, WIND NW 2, BARO 1012.5, AIR TEMP. DRY 9.6, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	8.62	33.210	6.83							0	8.62	33.210	6.83	25.79	221	220	0.0000
10	8.52	33.220	6.61							10	8.52	33.220	6.61	25.82	218	218	0.0219
20	7.70	33.230	6.33							20	7.70	33.230	6.33	25.95	206	206	0.0432
30	7.41	33.220	6.51							30	7.41	33.220	6.51	25.98	203	203	0.0637
50	6.61	33.260	6.66							50	6.61	33.260	6.66	26.12	190	190	0.1031
77	6.31	33.240	5.81							75	6.33	33.241	5.87	26.14	188	188	0.1505

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 309-09 , 35-51.3. N, 124-35.1. E, APR.11.1983, 21:35 KST, DEPTH 83 , COLOR , TRANS.																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1013. , AIR TEMP. DRY 8.9, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	8.67	33.240	6.62							0	8.67	33.240	6.62	25.81	219	219	0.0000
10	8.53	33.210	6.31							10	8.53	33.210	6.31	25.81	219	219	0.0219
20	7.86	33.210	6.29							20	7.86	33.210	6.29	25.91	210	210	0.0434
30	7.43	33.220	6.51							30	7.43	33.220	6.51	25.98	203	203	0.0641
50	6.53	33.260	7.01							50	6.53	33.260	7.01	26.13	189	189	0.1034
78	6.58	33.220	7.31							75	6.57	33.224	7.27	26.09	192	193	0.1513
KOREA .JEONBUK 855 . STATION 309-10 . 35-51.3. N. 124-22.8. E. APR.11.1983, 23:15 KST. DEPTH 88 . COLOR . TRANS.																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1013. , AIR TEMP. DRY 8.9, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	8.75	33.240	7.21							0	8.75	33.240	7.21	25.80	220	220	0.0000
10	8.51	33.220	6.43							10	8.51	33.220	6.43	25.82	218	218	0.0219
20	7.91	33.250	6.21							20	7.91	33.250	6.21	25.93	208	208	0.0432
30	7.60	33.290	6.26							30	7.60	33.290	6.26	26.01	200	200	0.0637
50	7.24	33.320	6.13							50	7.24	33.320	6.13	26.08	193	194	0.1032
75	6.66	33.320	5.52							75	6.66	33.320	5.52	26.16	186	187	0.1508
83	6.67	33.360	5.62														

6月(June)

KOREA .JEONBUK 855 . STATION 309-01 . 35-51.3. N. 126-14.7. E. JUN.11.1983. 15:00 KST. DEPTH 30 . COLOR 3. TRANS. 7.0.																	
WAVE 1. SWELL 1, WIND S 2, BARO 1014. , AIR TEMP. DRY 22.9, WET . CLOUD. TYPE AC, AMT 07, WEATHER BC.																	
0	16.79	32.200	6.03							0	16.79	32.200	6.03	23.43	445	445	0.0000
10	14.97	32.250	5.59							10	14.97	32.250	5.59	23.88	403	403	0.0424
20	14.37	32.240	5.73							20	14.37	32.240	5.73	24.00	392	392	0.0822
28	14.30	32.310	5.71														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .JEONBUK 855 . STATION 309-02 . 35-51.3. N. 126-02.0. E. JUN.11.1983. 16:40 KST. DEPTH 45 , COLOR 4. TRANS. 9.0,

WAVE 1, SWELL 1. WIND S 2, BARO 1014. , AIR TEMP. DRY 21.5. WET . CLOUD. TYPE AC, AMT 10. WEATHER C .

0	17.21	32.760	5.89							0	17.21	32.760	5.89	23.76	414	413	0.0000
10	16.17	32.740	5.53							10	16.17	32.740	5.53	23.99	392	392	0.0403
20	13.30	32.770	5.92							20	13.30	32.770	5.92	24.62	332	332	0.0766
30	11.84	32.780	5.93							30	11.84	32.780	5.93	24.91	304	305	0.1084
43	11.79	32.800	6.03														

KOREA .JEONBUK 855 , STATION 309-03 , 35-51.3. N, 125-49.3. E, JUN.11.1983, 18:15 KST, DEPTH 54· , COLOR 3, TRANS. 16.0.

WAVE 2, SWELL 1, WIND SW 2. BARO 1014.2, AIR TEMP. DRY 20.5, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,

0	18.26	32.750	5.99							0	18.26	32.750	5.99	23.50	439	438	0.0000
10	14.61	32.760	5.98							10	14.61	32.760	5.98	24.35	358	358	0.0398
20	9.95	32.780	6.05							20	9.95	32.780	6.05	25.25	273	273	0.0714
30	9.91	32.790	6.40							30	9.91	32.790	6.40	25.26	271	272	0.0987
52	9.87	32.850	6.26							50	9.87	32.844	6.27	25.31	267	267	0.1527

KOREA .JEONBUK 855 . STATION 309-04 . 35-51.3. N, 125-37.0. E, JUN.15.1983, 08:50 KST. DEPTH 56 , CULOR 3, TRANS. 16.0,

WAVE 2, SWELL 1, WIND SW 2, BARO 1013.7, AIR TEMP. DRY 20.4, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,

0	19.01	32.750	5.38							0	19.01	32.750	5.38	23.32	456	456	0.0000
10	17.91	32.740	5.54							10	17.91	32.740	5.54	23.58	431-	431	0.0444
20	9.07	32.750	5.83							20	9.07	32.750	5.83	25.36	261	261	0.0790
30	8.93	32.790	5.86							30	8.93	32.790	5.86	25.42	256	257	0.1050
54	8.91	32.820	5.86							50	8.91	32.815	5.86	25.44	254	255	0.1562

KOREA .JEONBUK 855 . STATION 309-05 . 35-51.3. N. 125-24.4. E. JUN.15.1983. 10:25 KST. DEPTH 69 . COLOR 2. TRANS. 16.0.

WAVE 2. SWELL 1. WIND SW 2. BARO 1014. , AIR TEMP. DRY 20.5. WET , CLOUD. TYPE AC. AMT 09, WEATHER C ,

0	19.19	32.800	4.96							0	19.19	32.800	4.96	23.31	457	457	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	18.82	32.800	5.23							10	18.82	32.800	5.23	23.40	448	448	0.0452
20	16.66	32.800	5.54							20	16.66	32.800	5.54	23.92	399	399	0.0876
30	8.33	32.840	6.33							30	8.33	32.840	6.33	25.55	244	244	0.1198
50	8.31	32.850	6.12							50	8.31	32.850	6.12	25.56	243	243	0.1687
67	8.28	32.850	5.95														

KOREA .JEONBUK 855 , STATION 309-06 , 35-51.3. N, 125-12.3. E, JUN.15.1983, 12:05 KST, DEPTH 64 , COLOR 2, TRANS. 16.0.
WAVE 2. SWELL 1. WIND SW 2, BARO 1013.6, AIR TEMP. DRY 21.9, WET , CLOUD. TYPE AC, AMT 09. WEATHER C .

0	19.10	32.690	4.97							0	19.10	32.690	4.97	23.25	463	463	0.0000
10	18.95	32.730	5.44							10	18.95	32.730	5.44	23.32	456	456	0.0459
20	16.77	32.750	5.63							20	16.77	32.750	5.63	23.86	405	405	0.0891
30	8.02	32.990	5.88							30	8.02	32.990	5.88	25.71	228	229	0.1208
50	7.98	33.040	5.88							50	7.98	33.040	5.88	25.76	224	225	0.1662
62	7.89	33.060	5.71														

KOREA .JEONBUK 855 . STATION 309-07 , 35-51.3. N. 125-00.0. E. JUN.15.1983. 13:40 KST. DEPTH 68 . COLOR 2. TRANS. 15.0.
WAVE 2. SWELL 1. WIND SW 2. BARO 1013.6, AIR TEMP. DRY 22.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER C .

0	18.87	32.730	5.18							0	18.87	32.730	5.18	23.34	454	454	0.0000
10	17.84	32.710	5.72							10	17.84	32.710	5.72	23.58	432	432	0.0443
20	13.09	32.790	6.31							20	13.09	32.790	6.31	24.68	326	327	0.0823
30	7.87	32.840	6.12							30	7.87	32.840	6.12	25.62	237	238	0.1105
50	7.89	33.040	6.14							50	7.89	33.040	6.14	25.77	223	223	0.1567
66	7.82	33.060	5.88														

KOREA .JEONBUK 855 . STATION 309-08 . 35-51.3. N. 124-47.8. E. JUN.15.1983. 15:20 KST. DEPTH 82 . COLOR 3. TRANS. 13.0.
WAVE 2. SWELL 1. WIND SW 2. BARO 1013.6. AIR TEMP. DRY 20.0. WET , CLOUD. TYPE AC. AMT 09. WEATHER C .

0	18.36	32.920	5.40							0	18.36	32.920	5.40	23.61	429	428	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	17.42	32.960	5.53							10	17.42	32.960	5.53	23.87	404	404	0.0416
20	11.34	33.000	6.38							20	11.34	33.000	6.38	25.17	279	279	0.0758
30	9.01	33.050	6.49							30	9.01	33.050	6.49	25.61	238	238	0.1018
50	7.38	33.060	5.93							50	7.38	33.060	5.93	25.86	215	215	0.1472
80	7.15	33.050	5.81							75	7.18	33.051	5.83	25.88	213	213	0.2009
KOREA ,JEONBUK 855 , STATION 309-09 , 35-51.3. N, 124-35.1. E, JUN.15.1983, 16:55 KST, DEPTH 84 . COLOR 3, TRANS. 14.0,																	
WAVE 2, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 20.7, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,																	
0	18.21	32.650	5.41							0	18.21	32.650	5.41	23.44	445	444	0.0000
10	17.01	32.680	5.73							10	17.01	32.680	5.73	23.75	415	415	0.0430
20	12.47	32.650	6.23							20	12.47	32.650	6.23	24.69	325	325	0.0800
30	9.07	32.810	6.31							30	9.07	32.810	6.31	25.41	257	257	0.1092
50	6.58	32.840	6.33							50	6.58	32.840	6.33	25.79	221	221	0.1571
82	6.63	32.840	6.31							75	6.61	32.840	6.31	25.79	221	222	0.2126
KOREA ,JEONBUK 855 , STATION 309-10 , 35-51.3. N, 124-22.8. E, JUN.15.1983, 18:35 KST, DEPTH 88 , COLOR 3, TRANS. 12.0,																	
WAVE 2, SWELL 1, WIND W 2, BARO 1012.5, AIR TEMP. DRY 21.0, WET , CLOUD. TYPE CI, AMT 08, WEATHER C ,																	
0	19.30	32.650	5.62							0	19.30	32.650	5.62	23.17	471	470	0.0000
10	18.07	32.670	5.62							10	18.07	32.670	5.62	23.49	440	440	0.0455
20	14.94	32.690	6.16							20	14.94	32.690	6.16	24.22	370	370	0.0861
30	10.05	32.700	6.37							30	10.05	32.700	6.37	25.17	280	280	0.1187
50	7.84	32.750	6.36							50	7.84	32.750	6.36	25.55	244	244	0.1712
75	6.70	32.760	6.29							75	6.70	32.760	6.29	25.71	228	229	0.2305
86	6.61	32.780	6.49														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8月(August)

KOREA .GANGWON 854 . STATION 309-01 . 35-51.3. N. 129-14.7. E. AUG. 9.1983. 09:30 KST. DEPTH 30 . COLOR 5, TRANS. 10. .
WAVE SE 2, SWELL 2, WIND SE 2, BARO 1007.5, AIR TEMP. DRY 26.7. WET . CLOUD. TYPE AS, AMT 08. WEATHER C .

0	26.45	32.000	5.13							0	26.45	32.000	5.13	20.65	712	711	0.0000
10	25.92	32.110	5.28							10	25.92	32.110	5.28	20.90	688	688	0.0700
20	23.11	32.150	5.33							20	23.11	32.150	5.33	21.76	605	605	0.1347
27	22.68	32.240	5.05														

KOREA .GANGWON 854 . STATION 309-02 , 35-51.3. N. 126-02.0. E. AUG. 9.1983. 11:20 KST. DEPTH 45 . COLOR 4. TRANS. 13.0.
WAVE 2, SWELL 2, WIND SE 2, BARO 1007.5, AIR TEMP. DRY 26.0. WET . CLOUL. TYPE . AMT . WEATHER R .

0	26.12	32.220	5.08							0	26.12	32.220	5.08	20.92	686	686	0.0000
10	25.52	32.250	5.33							10	25.52	32.250	5.33	21.13	666	666	0.0676
20	22.80	32.400	5.33							20	22.80	32.400	5.33	22.04	579	579	0.1299
30	21.03	32.570	5.11							30	21.03	32.570	5.11	22.66	520	520	0.1849
43	19.55	32.600	5.11														

KOREA .GANGWON 854 . STATION 309-03 . 35-51.3. N. 125-49.3. E. AUG. 9.1983. 12:30 KST. DEPTH 52 . COLOR 4, TRANS. 13.0.
WAVE 2, SWELL 3, WIND SE 3. BARO 1007.5, AIR TEMP. DRY 26.5, WET . CLOUD. TYPE AS, AMT 10, WEATHER C .

0	27.06	32.320	5.33							0	27.06	32.320	5.33	20.70	707	707	0.0000
10	26.60	32.330	5.53							10	26.60	32.330	5.53	20.85	692	692	0.0699
20	23.01	32.320	5.38							20	23.01	32.320	5.38	21.92	590	590	0.1341
30	18.83	32.620	5.28							30	18.83	32.620	5.28	23.26	461	462	0.1868
50	15.38	32.870	5.03							50	15.38	32.870	5.03	24.26	366	367	0.2698

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 . STATION 309-04 . 35-51.3. N. 125-37.[illegible]. E. AUG.10.1983. [illegible] KST. DEPTH 55 . COLOR 3. TRANS. 17.0.

WAVE 2, SWELL 2, WIND SW 3, BARO 1006.5, AIR TEMP. DRY 26.5. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

0	26.65	32.250	5.28							0	26.65	32.250	5.28	20.78	699	699	0.0000
10	24.00	32.450	5.13							10	24.00	32.450	5.13	21.73	608	608	0.0654
20	18.52	32.720	5.43							20	18.52	32.720	5.43	23.42	447	447	0.1182
30	13.56	32.910	5.35							30	13.56	32.910	5.35	24.68	327	327	0.1569
53	13.41	32.930	5.23							50	13.42	32.927	5.24	24.72	323	324	0.2221

KOREA .GANGWON 854 . STATION 309-05 . 35-51.3. N. 125-24.4. E. AUG.10.1983. 09:25 KST. DEPTH 70 . COLOR 4. TRANS. 16.0.

WAVE 2, SWELL 2, WIND SW 3, BARO 1006.5, AIR TEMP. DRY 26.8, WET . CLOUD. TYPE AS, AMT 10, WEATHER C .

0	27.29	32.490	5.48							0	27.29	32.490	5.48	20.76	702	701	0.0000
10	26.82	32.450	5.28							10	26.82	32.450	5.28	20.87	690	690	0.0696
20	22.25	32.640	5.45							20	22.25	32.640	5.45	22.38	546	547	0.1315
30	16.79	32.680	5.41							30	16.79	32.680	5.41	23.80	410	411	0.1794
50	11.95	32.860	5.33							50	11.95	32.860	5.33	24.95	300	301	0.2507
68	11.06	32.870	5.23														

KOREA .GANGWON 854 . STATION 309-06 . 35-51.3. N. 125-12.3. E, AUG.10.1983. 1[illegible]:55 KST. DEPTH 68 . COLOR 3. TRANS. 17.[illegible]

WAVE 2, SWELL 2, WIND SW 2, BARO 1007. , AIR TEMP. DRY 27.5, WET . CLOUD. TYPE AS. AMT 08. WEATHER C .

0	27.62	32.380	5.03							0	27.62	32.380	5.03	20.57	720	719	0.0000
10	24.39	32.470	5.35							10	24.39	32.470	5.35	21.63	618	618	0.0668
20	21.60	32.610	5.32							20	21.60	32.610	5.32	22.53	531	532	0.1244
30	14.14	32.800	*****							30	14.14	32.800	5.35	24.48	346	346	0.1683
50	10.55	32.880	5.41							50	10.55	32.880	5.41	25.22	275	276	0.2306
65	10.33	32.420	5.23														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 309-07 . 35-51.3. N. 125-00.0. E. AUG.10.1983. 12:20 KST. DEPTH 68 . COLOR 3. TRANS. 18.0.																	
WAVE 2. SWELL 2. WIND SE 2. BARO 1008. , AIR TEMP. DRY 27.9. WET . CLOUD. TYPE AS. AMT 08. WEATHER C .																	
0	27.91	32.400	4.83							0	27.91	32.400	4.83	20.49	727	727	0.0000
10	26.55	32.480	5.26							10	26.55	32.480	5.26	20.98	680	680	0.0703
20	17.07	32.740	5.63							20	17.07	32.740	5.63	23.78	412	412	0.1250
30	10.56	32.860	5.63							30	10.56	32.860	5.63	25.20	277	277	0.1595
50	10.26	32.880	5.43							50	10.26	32.880	5.43	25.27	270	271	0.2144
65	10.16	32.560	5.33														
KOREA .GANGWON 854 . STATION 309-08 . 35-51.3. N. 124-47.8. E. AUG.10.1983. 13:45 KST. DEPTH 81 . COLOR 3. TRANS. 20.0.																	
WAVE 2. SWELL 2. WIND SE 2. BARO 1008. . AIR TEMP. DRY 27.9. WET . CLOUD. TYPE AS. AMT 07. WEATHER BC.																	
0	27.88	32.420	4.96							0	27.88	32.420	4.96	20.51	725	725	0.0000
10	23.20	32.440	5.14							10	23.20	32.440	5.14	21.96	587	587	0.0656
20	16.11	32.720	5.73							20	16.11	32.720	5.73	23.99	392	393	0.1146
30	10.98	32.850	5.93							30	10.98	32.850	5.93	25.12	284	285	0.1485
50	10.38	32.880	5.55							50	10.38	32.880	5.55	25.25	272	273	0.2043
75	10.03	32.880	5.64							75	10.03	32.880	5.64	25.31	267	268	0.2720
KOREA .GANGWON 854 . STATION 309-09 . 35-51.3. N. 124-35.1. E. AUG.10.1983. 15:10 KST. DEPTH 81 . COLOR 3. TRANS. 20.0.																	
WAVE 2. SWELL 2. WIND S 2. BARO 1005. . AIR TEMP. DRY 28.0. WET . CLOUD. TYPE AS. AMT 07. WEATHER BC.																	
0	28.00	32.350	4.86							0	28.00	32.350	4.86	20.42	734	733	0.0000
10	23.69	32.450	5.03							10	23.69	32.450	5.03	21.82	599	599	0.0666
20	14.16	32.720	5.53							20	14.16	32.720	5.53	24.41	352	352	0.1143
30	10.07	32.870	5.83							30	10.07	32.870	5.83	25.30	268	268	0.1454
50	9.80	32.900	5.83							50	9.80	32.900	5.83	25.36	261	262	0.1985
79	9.74	32.870	5.63							75	9.74	32.874	5.65	25.35	263	264	0.2643

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .GANGWON 854 , STATION 309-10 , 35-51.3. N, 124-22.8. E, AUG.10.1983, 16:35 KST. DEPTH 87 . COLOR 3, TRANS. 21.0.
WAVE 2, SWELL 2, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 28.1, WET , CLOUD. TYPE AS, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	28.00	32.200	4.73							0	28.00	32.200	4.73	20.31	744	744	0.0000
10	24.65	32.490	4.85							10	24.65	32.490	4.85	21.57	624	624	0.0684
20	16.75	32.610	5.88							20	16.75	32.610	5.88	23.28	460	461	0.1226
30	10.23	32.850	6.23							30	10.23	32.850	6.23	25.25	272	272	0.1593
50	9.17	32.860	5.88							50	9.17	32.860	5.88	25.43	255	255	0.2122
75	8.62	32.860	5.61							75	8.62	32.860	5.61	25.52	247	248	0.2752
85	8.58	32.840	*****														

10月(October)

KOREA .JEONBUK 855 . STATION 309-01 . 35-51.3. N. 126-14.7. E. OCT.10.1983. 21:40 KST. DEPTH 29 .. COLOR . TRANS. .
WAVE 2, SWELL 1, WIND W 2, BARO 1022. , AIR TEMP. DRY 19.8, WET , CLOUD. TYPE AC, AMT 05, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.74	32.160	5.62							0	20.74	32.160	5.62	22.42	542	542	0.0000
10	20.71	32.210	5.62							10	20.71	32.210	5.62	22.47	538	538	0.0540
20	20.68	32.270	5.31							20	20.68	32.270	5.31	22.52	532	533	0.1075
27	19.65	32.380	*****														

KOREA ,JEONBUK 855 , STATION 309-02 , 35-51.3. N, 126-02.0. E, OCT.10.1983, 23:15 KST, DEPTH 45 , COLOR . TRANS. .
WAVE 2, SWELL 2, WIND NW 2, BARO 1022. , AIR TEMP. DRY 19.5, WET , CLOUD. TYPE AC. AMT 03, WEATHER BC.

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.16	32.150	5.49							0	20.16	32.150	5.49	22.57	528	528	0.0000
10	20.10	32.160	5.70							10	20.10	32.160	5.70	22.59	526	526	0.0527
20	20.07	32.260	5.35							20	20.07	32.260	5.35	22.67	518	518	0.1049
30	20.06	32.240	5.24							30	20.06	32.240	5.24	22.66	519	520	0.1569
43	19.97	32.570	5.12														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 309-03 . 35-51.3. N, 125-49.3. E, OCT.12.1983. 09:40 KST. DEPTH 54 . COLOR 4, TRANS. 8.0,																	
WAVE 1. SWELL 2. WIND NW 2. BARO 1023. , AIR TEMP. DRY 18.0. WET . CLOUD. TYPE C1. AMT 02, WEATHER B .																	
0	19.89	32.150	5.53							0	19.89	32.150	5.53	22.64	521	521	0.0000
10	19.22	32.260	5.43							10	19.22	32.260	5.43	22.89	497	497	0.0509
20	18.85	32.310	5.39							20	18.85	32.310	5.39	23.02	485	485	0.1000
30	18.51	32.370	5.50							30	18.51	32.370	5.50	23.15	472	473	0.1480
52	18.06	32.460	5.29							50	18.10	32.451	5.30	23.32	457	458	0.2411
KOREA .JEONBUK 855 . STATION 309-04 . 35-51.3. N. 125-37.0. E. OCT.12.1983. 11:20 KST. DEPTH 55 . COLOR 4. TRANS. 12.0.																	
WAVE 1. SWELL 2. WIND NW 2. BARO 1023. . AIR TEMP. DRY 18.7. WET . CLOUD. TYPE CI. AMT 01. WEATHER B .																	
0	20.23	32.090	5.39							0	20.23	32.090	5.39	22.50	534	534	0.0000
10	19.82	32.080	5.29							10	19.82	32.080	5.29	22.60	525	525	0.0529
20	19.26	32.160	5.56							20	19.26	32.160	5.56	22.81	505	506	0.1045
30	17.14	32.590	5.31							30	17.14	32.590	5.31	23.65	425	425	0.1511
52	16.31	32.640	5.36							50	16.38	32.635	5.35	23.86	405	406	0.2342
KOREA .JEONBUK 855 . STATION 309-05 . 35-51.3. N. 125-24.4. E. OCT.12.1983. 12:55 KST. DEPTH 68 . COLOR 2. TRANS. 18.0.																	
WAVE 1. SWELL 2. WIND NW 2, BARO 1021.5, AIR TEMP. DRY 18.7, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,																	
0	20.39	32.130	5.19							0	20.39	32.130	5.19	22.49	535	535	0.0000
10	19.57	32.200	5.13							10	19.57	32.200	5.13	22.76	510	510	0.0522
20	18.48	32.240	5.31							20	18.48	32.240	5.31	23.06	481	481	0.1018
30	19.07	32.530	5.24							30	19.07	32.530	5.24	23.14	474	474	0.1497
50	15.71	32.590	5.23							50	15.71	32.590	5.23	23.98	393	394	0.2366
65	11.13	32.600	5.19														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 309-06 . 35-51.3. N. 125-12.1. E. OCT.12.1983. 14:35 KST. DEPTH 65 . COLOR 2. TRANS. 17.0,																	
WAVE 1. SWELL 2. WIND NW 2. BARO 1023. . AIR TEMP. DRY 19.5. WET . CLOUD. TYPE CI. AMT 04. WEATHER BC,																	
0	21.49	32.150	5.11							0	21.49	32.150	5.11	22.21	562	562	0.0000
10	21.34	32.200	5.43							10	21.34	32.200	5.43	22.29	554	554	0.0558
20	21.19	32.300	5.43							20	21.19	32.300	5.43	22.41	543	544	0.1107
30	21.00	32.400	4.91							30	21.00	32.400	4.91	22.54	531	532	0.1646
50	12.23	32.420	4.93							50	12.23	32.420	4.93	24.56	338	339	0.2517
63	11.40	32.660	4.79														
KOREA .JEONBUK 855 . STATION 309-07 . 35-51.3. N. 125-00.0. E. OCT.12.1983. 16:10 KST. DEPTH 66 . COLOR 2. TRANS. 16.0.																	
WAVE 1. SWELL 2. WIND NW 2. BARO 1022. . AIR TEMP. DRY 18.8. WET . CLOUD. TYPE CI, AMT 04. WEATHER BC.																	
0	21.27	32.010	5.29							0	21.27	32.010	5.29	22.17	566	566	0.0000
10	21.10	32.010	5.11							10	21.10	32.010	5.11	22.21	562	562	0.0564
20	21.09	32.040	5.40							20	21.09	32.040	5.40	22.24	560	560	0.1125
30	15.70	32.570	5.32							30	15.70	32.570	5.32	23.96	395	395	0.1603
50	10.73	32.630	5.10							50	10.73	32.630	5.10	25.00	296	297	0.2297
63	10.00	32.680	5.17														
KOREA .JEONBUK 855 . STATION 309-08 . 35-51.3. N. 124-47.8. E, OCT.12.1983. 17:50 KST. DEPTH 83 . COLOR 2. TRANS. 13.0.																	
WAVE 1. SWELL 2. WIND NW 2. BARO 1022. . AIR TEMP. DRY 18.0. WET . CLOUD. TYPE AC, AMT 09. WEATHER C .																	
0	21.26	31.900	5.15							0	21.26	31.900	5.15	22.09	574	574	0.0000
10	21.18	32.160	5.31							10	21.18	32.160	5.31	22.31	553	553	0.0563
20	21.00	32.280	5.34							20	21.00	32.280	5.34	22.44	540	540	0.1111
30	13.84	32.560	5.50							30	13.84	32.560	5.50	24.35	358	358	0.1560
50	8.68	32.740	5.31							50	8.68	32.740	5.31	25.42	256	257	0.2176
80	8.07	32.710	5.13							75	8.17	32.715	5.16	25.47	251	252	0.2813

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 309-09 . 35-51.3. N. 124-35.1. E, OCT.12.1983, 19:25 KST. DEPTH 82 , COLOR . TRANS. ,																	
WAVE 2. SWELL 2, WIND NW 2. BARO 1021.5. AIR TEMP. DRY 17.7, WET , CLOUD. TYPE AC. AMT 10, WEATHER C ,																	
0	21.07	31.800	5.53							0	21.07	31.800	5.53	22.06	576	576	0.0000
10	21.03	31.880	5.22							10	21.03	31.880	5.22	22.13	570	570	0.0573
20	21.01	32.070	5.11							20	21.01	32.070	5.11	22.28	555	556	0.1136
30	13.46	32.590	5.51							30	13.46	32.590	5.51	24.45	348	349	0.1589
50	8.61	32.800	5.25							50	8.61	32.800	5.25	25.47	251	251	0.2190
80	7.59	32.780	5.37							75	7.76	32.783	5.35	25.59	240	241	0.2807
KOREA .JEONBUK 855 . STATION 309-10 . 35-51.3. N. 124-22.8. E. OCT.12.1983. 21:05 KST. DEPTH 86 . COLOR . TRANS. .																	
WAVE 2. SWELL 2. WIND NW 2, BARO 1021. . AIR TEMP. DRY 17.9. WET . CLOUD. TYPE AC. AMT 10. WEATHER C .																	
0	20.60	31.900	5.36							0	20.60	31.900	5.36	22.26	557	557	0.0000
10	20.84	31.960	5.36							10	20.84	31.960	5.36	22.24	559	559	0.0558
20	20.46	32.210	5.21							20	20.46	32.210	5.21	22.53	531	531	0.1104
30	15.29	32.730	5.48							30	15.29	32.730	5.48	24.18	374	375	0.1557
50	11.05	32.830	5.21							50	11.05	32.830	5.21	25.09	287	288	0.2221
75	9.13	32.720	5.21							75	9.13	32.720	5.21	25.33	264	265	0.2914
83	7.68	******	*****														

12月(December)

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 309-01 . 35-51.3. N. 126-14.7. E, DEC. 8.1983. 17:25 KST, DEPTH 29 . COLOR 6. TRANS. 2.0.																	
WAVE 1, SWELL 1. WIND NW 2. BARO 1027.5. AIR TEMP. DRY 10.0, WET . CLOUD. TYPE AC. AMT 03. WEATHER BC.																	
0	11.33	32.240	6.33							0	11.33	32.240	6.33	24.59	335	335	0.0000
10	11.36	32.210	6.37							10	11.36	32.210	6.37	24.56	338	338	0.0336
20	11.27	32.220	6.07							20	11.27	32.220	6.07	24.58	336	336	0.0674
27	11.21	32.230	6.43														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 309-02 . 35-51.3. N. 126-02.0. E. DEC. 8.1983. 19:00 KST. DEPTH 45 . COLOR . TRANS. .																	
WAVE 1. SWELL 1. WIND NW 2. BARO 1027. . AIR TEMP. DRY 9.5. WET . CLOUD. TYPE AC. AMT 05. WEATHER BC.																	
0	11.42	32.170	6.43							0	11.42	32.170	6.43	24.52	342	342	0.0000
10	11.45	32.240	6.30							10	11.45	32.240	6.30	24.57	337	337	0.0339
20	11.59	32.200	6.40							20	11.59	32.200	6.40	24.51	343	343	0.0680
30	11.54	32.230	6.50							30	11.54	32.230	6.50	24.54	340	340	0.1022
43	11.51	32.230	6.38														
KOREA .JEONBUK 855 . STATION 309-03 . 35-51.3. N. 125-49.3. E. DEC.16.1983. 21:20 KST. DEPTH 53 . COLOR . TRANS. .																	
WAVE 2. SWELL 1. WIND S 2. BARO 1026. . AIR TEMP. DRY 4.8. WET . CLOUD. TYPE AC. AMT 08. WEATHER C .																	
0	10.51	32.240	6.59							0	10.51	32.240	6.59	24.73	322	321	0.0000
10	10.63	32.250	6.47							10	10.63	32.250	6.47	24.72	323	323	0.0322
20	10.48	32.260	6.54							20	10.48	32.260	6.54	24.75	320	320	0.0644
30	10.40	32.300	6.33							30	10.40	32.300	6.33	24.80	315	316	0.0962
50	10.53	32.290	6.30							50	10.53	32.290	6.30	24.77	318	319	0.1598
KOREA .JEONBUK 855 . STATION 309-04 . 35-51.3. N. 125-37.0. E. DEC.16.1983. 23:00 KST. DEPTH 60 . COLOR . TRANS. .																	
WAVE 2. SWELL 2. WIND SW 3. BARO 1025.5. AIR TEMP. DRY 5.7. WET . CLOUD. TYPE AC. AMT 09. WEATHER C .																	
0	10.05	32.350	6.38							0	10.05	32.350	6.38	24.89	306	306	0.0000
10	10.02	32.360	6.18							10	10.02	32.360	6.18	24.91	305	305	0.0305
20	10.00	32.400	6.48							20	10.00	32.400	6.48	24.94	302	302	0.0609
30	10.11	32.370	6.40							30	10.11	32.370	6.40	24.90	306	306	0.0913
58	10.08	32.400	6.48							50	10.08	32.391	6.45	24.92	304	304	0.1524

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 309-05 . 35-51.3. N. 125-24.4. E. DEC.17.1983. 00:35 KST. DEPTH 70 . COLOR . TRANS. .																	
WAVE 3. SWELL 2. WIND SW 5. BARO 1025. . AIR TEMP. DRY 6.1. WET . CLOUD. TYPE AC. AMT 10. WEATHER C .																	
0	10.01	32.280	6.20							0	10.01	32.280	6.20	24.85	311	310	0.0000
10	10.04	32.260	6.24							10	10.04	32.260	6.24	24.83	313	313	0.0311
20	10.13	32.270	6.38							20	10.13	32.270	6.38	24.82	313	313	0.0625
30	9.98	32.270	6.43							30	9.98	32.270	6.43	24.84	311	311	0.0938
50	9.93	32.390	6.28							50	9.93	32.390	6.28	24.94	301	302	0.1552
68	9.79	32.460	5.88														
KOREA .JEONBUK 855 . STATION 309-06 . 35-51.3. N. 125-12.3. E. DEC.20.1983. 08:10 KST. DEPTH 65 . COLOR 3. TRANS. 7.0.																	
WAVE 1. SWELL 1. WIND NW 2. BARO 1030. . AIR TEMP. DRY 4.8. WET . CLOUD. TYPE . AMT 00. WEATHER B .																	
0	9.54	32.380	6.18							0	9.54	32.380	6.18	25.00	296	296	0.0000
10	9.50	32.370	6.28							10	9.50	32.370	6.28	25.00	296	296	0.0296
20	9.51	32.380	6.18							20	9.51	32.380	6.18	25.01	295	296	0.0592
30	9.62	32.380	6.23							30	9.62	32.380	6.23	24.99	297	297	0.0889
50	9.68	32.400	6.06							50	9.68	32.400	6.06	24.99	297	297	0.1485
62	9.63	32.410	6.13														
KOREA .JEONBUK 855 . STATION 309-07 . 35-51.3. N. 125-00.0. E. DEC.20.1983. 09:40 KST. DEPTH 68 . COLOR 3. TRANS. 8.0.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1029.5. AIR TEMP. DRY 6.3. WET . CLOUD. TYPE . AMT 00. WEATHER B .																	
0	9.45	32.370	6.20							0	9.45	32.370	6.20	25.01	295	295	0.0000
10	9.46	32.380	6.23							10	9.46	32.380	6.23	25.01	295	295	0.0295
20	9.44	32.380	6.38							20	9.44	32.380	6.38	25.02	294	294	0.0590
30	9.45	32.400	6.16							30	9.45	32.400	6.16	25.03	293	293	0.0884
50	9.41	32.470	5.96							50	9.41	32.470	5.96	25.09	287	288	0.1466
65	9.48	32.470	5.73														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 309-08 . 35-51.3. N. 124-47.8. E. DEC.20.1983. 11:15 KST. DEPTH 82 . COLOR 2. TRANS. 8.0.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1028. . AIR TEMP. DRY 8.4. WET . CLOUD. TYPE AC. AMT 02. WEATHER B .																	
0	9.70	32.300	6.40							0	9.70	32.300	6.40	24.91	304	304	0.0000
10	9.62	32.300	6.28							10	9.62	32.300	6.28	24.93	303	303	0.0304
20	9.64	32.290	6.28							20	9.64	32.290	6.28	24.91	304	304	0.0608
30	9.60	32.300	6.30							30	9.60	32.300	6.30	24.93	303	303	0.0912
50	9.56	32.430	5.88							50	9.56	32.430	5.88	25.04	293	293	0.1509
80	9.39	32.530	6.02							75	9.41	32.513	5.99	25.12	284	285	0.2233
KOREA .JEONBUK 855 . STATION 309-09 . 35-51.3. N. 124-35.1. E. DEC.20.1983. 12:45 KST. DEPTH 82 . COLOR 2. TRANS. 9.0.																	
WAVE 2. SWELL 1. WIND NW 3. BARO 1029. . AIR TEMP. DRY 8.0. WET . CLOUD. TYPE AC. AMT 02. WEATHER B .																	
0	9.45	32.300	6.63							0	9.45	32.300	6.63	24.95	301	300	0.0000
10	9.48	32.380	6.38							10	9.48	32.380	6.38	25.01	295	295	0.0298
20	9.47	32.390	6.08							20	9.47	32.390	6.08	25.02	294	294	0.0593
30	9.37	32.410	6.01							30	9.37	32.410	6.01	25.05	291	291	0.0886
50	9.04	32.640	5.68							50	9.04	32.640	5.68	25.28	269	270	0.1448
80	9.06	32.670	5.69							75	9.05	32.665	5.68	25.30	267	268	0.2122
KOREA .JEONBUK 855 . STATION 309-10 . 35-51.3. N. 124-22.8. E. DEC.20.1983. 14:20 KST. DEPTH 88 . COLOR 3. TRANS. 9.0.																	
WAVE 2. SWELL 1. WIND NW 2. BARO 1030. . AIR TEMP. DRY 8.5. WET . CLOUD. TYPE AC. AMT 03. WEATHER BC.																	
0	9.60	32.350	6.60							0	9.60	32.350	6.60	24.97	299	299	0.0000
10	9.59	32.360	6.16							10	9.59	32.360	6.16	24.98	298	298	0.0298
20	9.80	32.380	6.10							20	9.80	32.380	6.10	24.96	300	300	0.0598
30	9.48	32.350	6.09							30	9.48	32.350	6.09	24.99	297	297	0.0897
50	9.14	32.580	5.62							50	9.14	32.580	5.62	25.22	275	276	0.1471
75	9.21	32.640	5.61							75	9.21	32.640	5.61	25.26	272	273	0.2158
85	9.00	32.690	5.48														

310線 海洋觀測 成績

Oceanographic Data. Line 310

2月(February)

KOREA .JEONBUK 855 , STATION 310-03 , 35-20.1. N, 125-49.5. E, FEB.23.1983, 10:25 KST. DEPTH 27 . COLOR 7. TRANS. 1.2.
WAVE 3. SWELL 2, WIND N 3, BARO 1032. , AIR TEMP. DRY 3.6, WET , CLOUD. TYPE AS. AMT 10. WEATHER C .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	5.23	32.700	6.64							0	5.23	32.700	6.64	25.85	216	215	0.0000
10	5.51	32.760	6.51							10	5.51	32.760	6.51	25.86	214	214	0.0215
20	5.54	32.760	6.41							20	5.54	32.760	6.41	25.86	214	214	0.0429
24	5.51	32.770	6.62														

KOREA .JEONBUK 855 , STATION 310-04 , 35-20.1. N, 125-36.5. E, FEB.23.1983, 08:25 KST. DEPTH 58 . COLOR 6. TRANS. 1.5.
WAVE 2, SWELL 2, WIND SE 3, BARO 1033. , AIR TEMP. DRY 3.8, WET , CLOUD. TYPE AS. AMT 08. WEATHER C .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.33	32.700	6.61							0	6.33	32.700	6.61	25.71	228	228	0.0000
10	6.20	32.740	6.61							10	6.20	32.740	6.61	25.76	224	223	0.0226
20	6.33	32.720	6.51							20	6.33	32.720	6.51	25.73	227	227	0.0451
30	6.36	32.720	6.63							30	6.36	32.720	6.63	25.73	227	227	0.0678
53	6.35	32.860	6.47							50	6.35	32.841	6.49	25.82	218	218	0.1124

KOREA .JEONBUK 855 . STATION 310-05 , 35-20.1. N, 125-24.4. E. FEB.23.1983, 06:20 KST. DEPTH 71 . COLOR . TRANS. .
WAVE 2. SWELL 1, WIND SE 3, BARO 1033. , AIR TEMP. DRY 4.0, WET , CLOUD. TYPE AS. AMT 08. WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.31	32.650	6.61							0	6.31	32.650	6.61	25.68	232	231	0.0000
10	6.42	32.660	6.72							10	6.42	32.660	6.72	25.67	232	232	0.0232
20	6.33	32.680	6.76							20	6.33	32.680	6.76	25.70	230	230	0.0463
30	6.41	32.650	6.61							30	6.41	32.650	6.61	25.66	233	233	0.0695
50	6.43	32.660	6.81							50	6.43	32.660	6.81	25.67	232	233	0.1161
66	6.43	32.680	6.79														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 310-06 , 35-20.1. N. 125-12.1. E, FEB.23.1983. 04:40 KST. DEPTH 72 . COLOR . TRANS. .																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1033.5, AIR TEMP. DRY 4.2, WET , CLOUD. TYPE AS. AMT 05, WEATHER BC,																	
0	6.55	32.700	6.81							0	6.55	32.700	6.81	25.69	231	230	0.0000
10	6.59	32.710	6.71							10	6.59	32.710	6.71	25.69	231	230	0.0230
20	6.57	32.700	6.81							20	6.57	32.700	6.81	25.68	231	231	0.0462
30	6.42	32.680	6.73							30	6.42	32.680	6.73	25.69	231	231	0.0693
50	6.40	32.700	6.73							50	6.40	32.700	6.73	25.70	229	229	0.1154
67	6.52	32.700	6.69														
KOREA .JEONBUK 855 , STATION 310-07 , 35-20.1. N, 125-00.0. E, FEB.23.1983, 02:55 KST, DEPTH 82 . , COLOR . TRANS. .																	
WAVE 2, SWELL 1, WIND SE 2, BARO 1034. , AIR TEMP. DRY 4.5, WET , CLOUD. TYPE AS. AMT 04, WEATHER BC.																	
0	6.96	32.760	6.62							0	6.96	32.760	6.62	25.68	231	231	0.0000
10	6.84	32.760	6.63							10	6.84	32.760	6.63	25.69	230	230	0.0230
20	6.79	32.790	6.63							20	6.79	32.790	6.63	25.72	227	227	0.0459
30	6.85	32.780	6.61							30	6.85	32.780	6.61	25.71	229	229	0.0688
50	6.88	32.820	6.59							50	6.88	32.820	6.59	25.74	226	226	0.1144
77	6.87	32.840	6.62							75	6.87	32.838	6.61	25.75	224	225	0.1709
KOREA .JEONBUK 855 , STATION 310-08 , 35-20.1. N, 125-47.9. E. FEB.23.1983, 01:10 KST, DEPTH 89 , COLOR . TRANS. .																	
WAVE 2, SWELL 1. WIND SE 2, BARO 1034. . AIR TEMP. DRY 4.0, WET , CLOUD. TYPE AS, AMT 02, WEATHER B .																	
0	7.10	32.770	6.83							0	7.10	32.770	6.83	25.67	232	232	0.0000
10	7.05	32.730	6.82							10	7.05	32.730	6.82	25.64	235	235	0.0233
20	7.94	32.720	6.63							20	7.94	32.720	6.63	25.51	247	247	0.0475
30	7.94	32.720	6.71							30	7.94	32.720	6.71	25.51	247	248	0.0723
50	6.81	32.720	6.86							50	6.81	32.720	6.86	25.67	233	233	0.1204
75	6.83	32.680	6.82							75	6.83	32.680	6.82	25.63	236	236	0.1792
84	6.92	32.720	6.71														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .JEONBUK 855 , STATION 310-09 , 35-20.1. N, 124-35.6. E, FEB.22.1983, 23:20 KST. DEPTH 90 , COLOR . TRANS.
WAVE 2. SWELL 1, WIND SE 2, BARO 1035. , AIR TEMP. DRY 4.0, WET , CLOUD. TYPE AS, AMT 02. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.30	32.760	6.61							0	7.30	32.760	6.61	25.63	236	236	0.0000
10	7.30	32.760	6.76							10	7.30	32.760	6.76	25.63	236	236	0.0236
20	7.11	32.700	6.51							20	7.11	32.700	6.51	25.61	238	238	0.0473
30	7.18	32.720	6.62							30	7.18	32.720	6.62	25.62	237	237	0.0711
50	7.07	32.740	6.50							50	7.07	32.740	6.50	25.65	234	235	0.1184
75	7.18	32.700	6.51							75	7.18	32.700	6.51	25.60	239	239	0.1778
85	7.15	32.830	6.59														

KOREA .JEONBUK 855 . STATION 310-10 . 35-20.1. N. 124-23.5. E. FEB.22.1983. 21:35 KST. DEPTH 90 . COLOR . TRANS.
WAVE 2. SWELL 1. WIND SE 2. BARO 1035. , AIR TEMP. DRY 4.0. WET . CLOUD. TYPE . AMT 00. WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.40	32.700	6.51							0	7.40	32.700	6.51	25.57	242	241	0.0000
10	7.39	32.700	6.42							10	7.39	32.700	6.42	25.57	241	241	0.0241
20	7.39	32.700	6.56							20	7.39	32.700	6.56	25.57	241	241	0.0483
30	7.20	32.770	6.57							30	7.20	32.770	6.57	25.65	234	234	0.0721
50	7.29	32.700	6.61							50	7.29	32.700	6.61	25.59	240	241	0.1197
75	7.29	32.700	6.50							75	7.29	32.700	6.50	25.59	240	241	0.1800
85	7.29	32.720	6.49														

4月(April)

KOREA .JEONBUK 855 , STATION 310-03 , 35-20.1. N, 125-49.3. E, APR.12.1983. 14:45 KST. DEPTH 28 , COLOR 5, TRANS. 3.0.
WAVE 2, SWELL 1, WIND NW 2, BARO 1018. , AIR TEMP. DRY 15.0, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	9.81	32.880	6.06							0	9.81	32.880	6.06	25.35	263	263	0.0000
10	7.60	32.890	6.23							10	7.60	32.890	6.23	25.69	230	230	0.0246
20	7.50	32.860	6.03							20	7.50	32.860	6.03	25.68	231	231	0.0477
25	7.49	32.880	5.73														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 310-04 . 35-20.1. N. 125-36.5. E, APR.12.1983. 13:10 KST. DEPTH 56 . COLOR 4. TRANS. 6.0.																	
WAVE 1. SWELL 1. WIND NE 2. BARO 1018. . AIR TEMP. DRY 14.0. WET . CLOUD. TYPE CI. AMT 03. WEATHER BC.																	
0	9.26	32.940	5.91							0	9.26	32.940	5.91	25.48	250	250	0.0000
10	7.37	32.950	6.22							10	7.37	32.950	6.22	25.77	223	222	0.0236
20	6.81	32.970	6.81							20	6.81	32.970	6.81	25.86	214	214	0.0455
30	6.17	32.990	6.22							30	6.17	32.990	6.22	25.96	205	205	0.0664
53	6.09	32.970	5.72							50	6.10	32.972	5.78	25.96	205	205	0.1075
KOREA .JEONBUK 855 . STATION 310-05 . 35-20.1. N. 125-24.4. E, APR.12.1983, 11:35 KST. DEPTH 72 . COLOR 3. TRANS. 10.0.																	
WAVE 1. SWELL 1. WIND N 2. BARO 1016. . AIR TEMP. DRY 12.8, WET . CLOUD. TYPE CI. AMT 01. WEATHER B .																	
0	9.06	33.160	6.36							0	9.06	33.160	6.36	25.69	231	230	0.0000
10	7.53	33.140	7.23							10	7.53	33.140	7.23	25.90	211	210	0.0220
20	6.86	33.150	6.91							20	6.86	33.150	6.91	26.00	201	201	0.0427
30	6.44	33.150	6.93							30	6.44	33.150	6.93	26.05	196	196	0.0626
50	6.24	33.150	6.41							50	6.24	33.150	6.41	26.08	193	194	0.1016
67	6.14	33.190	6.83														
KOREA .JEONBUK 855 . STATION 310-06 . 35-20.1. N, 125-12.1. E. APR.12.1983. 10:00 KST. DEPTH 72 . COLOR 3. TRANS. 10.0.																	
WAVE 1. SWELL 1, WIND N 2. BARO 1016. . AIR TEMP. DRY 10.8, WET . CLOUD. TYPE CI. AMT 01. WEATHER B .																	
0	8.81	33.170	6.22							0	8.81	33.170	6.22	25.73	226	226	0.0000
10	8.03	33.170	6.49							10	8.03	33.170	6.49	25.85	215	215	0.0221
20	7.71	33.240	6.54							20	7.71	33.240	6.54	25.95	206	206	0.0431
30	6.79	33.220	6.04							30	6.79	33.220	6.04	26.06	195	195	0.0632
50	6.39	33.220	5.63							50	6.39	33.220	5.63	26.12	190	190	0.1018
67	6.39	33.250	6.61														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 310-07 . 35-20.1. N. 125-00.0. E. APR.12.1983. 08:25 KST. DEPTH 82 . COLOR 3. TRANS. 11.0.																	
WAVE 1. SWELL 1. WIND NW 2. BARO 1017.5. AIR TEMP. DRY 9.1. WET . CLOUD. TYPE AC. AMT 03. WEATHER BC.																	
0	8.82	33.220	6.61							0	8.82	33.220	6.61	25.77	223	222	0.0000
10	8.29	33.230	6.63							10	8.29	33.230	6.63	25.86	214	214	0.0218
20	7.49	33.240	6.79							20	7.49	33.240	6.79	25.98	203	203	0.0427
30	6.80	33.260	6.46							30	6.80	33.260	6.46	26.09	192	192	0.0625
50	6.57	33.260	6.29							50	6.57	33.260	6.29	26.12	189	190	0.1008
77	6.47	33.260	6.32							75	6.47	33.260	6.31	26.14	188	189	0.1482
KOREA .JEONBUK 855 . STATION 310-08 . 35-20.1. N. 125-47.9. E. APR.12.1983. 06:50 KST. DEPTH 87 . COLOR . TRANS. .																	
WAVE 2. SWELL 2. WIND NW 2. BARO 1017. . AIR TEMP. DRY 8.8. WET . CLOUD. TYPE AC. AMT 10. WEATHER C .																	
0	8.70	33.220	6.51							0	8.70	33.220	6.51	25.79	221	221	0.0000
10	8.61	33.240	6.30							10	8.61	33.240	6.30	25.82	218	218	0.0219
20	8.09	33.170	6.49							20	8.09	33.170	6.49	25.84	216	216	0.0437
30	7.50	33.220	5.73							30	7.50	33.220	5.73	25.97	204	204	0.0648
50	6.71	33.240	5.66							50	6.71	33.240	5.66	26.09	192	193	0.1046
75	6.61	33.240	5.46							75	6.61	33.240	5.46	26.10	191	192	0.1528
82	6.66	33.220	5.03														
KOREA .JEONBUK 855 . STATION 310-09 . 35-20.1. N. 124-35.6. E. APR.12.1983. 05:10 KST. DEPTH 92 . COLOR . TRANS. .																	
WAVE 2. SWELL 2. WIND NW 2. BARO 1016. . AIR TEMP. DRY 8.9. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .																	
0	8.85	33.240	6.42							0	8.85	33.240	6.42	25.78	222	221	0.0000
10	8.74	33.210	6.31							10	8.74	33.210	6.31	25.77	222	222	0.0222
20	8.33	33.210	6.21							20	8.33	33.210	6.21	25.84	216	216	0.0442
30	7.67	33.240	6.31							30	7.67	33.240	6.31	25.96	205	205	0.0653
50	7.37	33.260	5.62							50	7.37	33.260	5.62	26.02	199	200	0.1059

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	6.69	33.240	5.79							75	6.69	33.240	5.79	26.09	192	193	0.1551
87	6.60	33.240	5.03														

KOREA .JEONBUK 855 . STATION 310-10 . 35-20.1. N. 124-23.5. E. APR.12.1983. 03:35 KST. DEPTH 87 . COLOR . TRANS. .
WAVE 2. SWELL 2. WIND NW 2. BARO 1015. . AIR TEMP. DRY 9.0. WET , CLOUD. TYPE AC. AMT 10. WEATHER C ,

0	8.65	32.810	6.99							0	8.65	32.810	6.99	25.48	251	250	0.0000
10	8.85	32.770	7.05							10	8.85	32.770	7.05	25.41	257	256	0.0253
20	8.61	33.210	7.21							20	8.61	33.210	7.21	25.79	220	220	0.0492
30	7.80	33.240	6.72							30	7.80	33.240	6.72	25.94	207	207	0.0707
50	7.46	33.270	5.99							50	7.46	33.270	5.99	26.01	200	200	0.1115
75	6.78	33.260	5.82							75	6.78	33.260	5.82	26.10	192	193	0.1607
82	6.82	33.260	5.04														

6月(June)

KOREA .JEONBUK 855 , STATION 310-03 , 35-20.1. N. 125-49.3. E, JUN.16.1983. 10:30 KST. DEPTH 27 . COLOR 5. TRANS. 3.0.
WAVE 2, SWELL 1, WIND NE 3, BARO 1011. , AIR TEMP. DRY 18.8, WET . CLOUD. TYPE AC, AMT 10, WEATHER C .

0	16.75	33.170	5.79							0	16.75	33.170	5.79	24.19	374	373	0.0000
10	16.17	33.190	5.53							10	16.17	33.190	5.53	24.33	359	359	0.0366
20	14.23	33.220	5.82							20	14.23	33.220	5.82	24.78	317	317	0.0705
25	14.15	33.300	5.41														

KOREA .JEONBUK 855 , STATION 310-04 . 35-20.1. N, 125-36.5. E. JUN.16.1983. 08:55 KST. DEPTH 58 , COLOR 5. TRANS. 5.0.
WAVE 2, SWELL 2, WIND NE 3, BARO 1011. , AIR TEMP. DRY 19.2, WET . CLOUD. TYPE AS. AMT 10, WEATHER C .

0	17.72	33.050	5.73							0	17.72	33.050	5.73	23.86	404	404	0.0000
10	17.01	33.060	5.43							10	17.01	33.060	5.43	24.04	387	387	0.0396
20	12.41	33.060	5.40							20	12.41	33.060	5.40	25.02	294	294	0.0737

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	11.55	33.050	5.33							30	11.55	33.050	5.33	25.18	[illegible]	[illegible]	[illegible]
56	11.11	33.140	5.99							50	11.21	33.119	5.8[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

KOREA .JEONBUK 855 . STATION 310-05 35-20.1. N. 125-24.4. E. JUN.16.1983. 07:15 KST. DEPTH [illegible] . [illegible]

WAVE 1. SWELL 2. WIND NE 3. BARO 1011.5. AIR TEMP. DRY 20.1. WET . CLOUD. TYPE AC. AMT 06. WEATHER C

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	15.53	33.040	5.36							0	15.53	33.040	5.36	23.71	[illegible]	[illegible]	0.0000
10	15.53	33.010	5.69							10	15.53	33.010	5.69	24.3[illegible]	[illegible]	[illegible]	[illegible]
20	11.96	33.100	6.03							20	11.96	33.100	6.03	25.3[illegible]	[illegible]	[illegible]	0.0702
30	10.43	33.080	6.12							30	10.43	33.080	6.12	25.40	[illegible]	[illegible]	[illegible]
50	9.85	33.130	6.16							50	9.85	33.130	6.16	25.53	[illegible]	[illegible]	[illegible]
69	9.60	33.130	5.90														

KOREA .JEONBUK 855 . STATION 310-06 . 35-20.1. N. 125-12.1. E. JUN.16.1983. 05:40 KST. DEPTH 72 COLOR [illegible]

WAVE 1. SWELL 2. WIND NE 3. BARO 1011. . AIR TEMP. DRY 19.7. WET . CLOUD. TYPE AC. AMT 09. WEATHER C

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.01	32.730	5.40							0	19.01	32.730	5.40	23.30	456	45[illegible]	0.0000
10	17.40	32.770	5.67							10	17.40	32.770	5.67	23.73	417	417	0.0437
20	11.52	32.790	6.03							20	11.52	32.790	6.03	24.98	298	295	0.0796
30	8.54	32.790	6.22							30	8.54	32.790	6.22	25.46	251	251	0.1071
50	8.44	32.[illegible]	5.71							50	8.44	32.850	5.71	25.54	245	45	0.1566
70	8.39	32.880	5.78														

KOREA .JEONBUK 855 . STATION 31[illegible] . 35 2[illegible].1. N. 125-[illegible]. E. JUN.16.198[illegible] . [illegible] KST. DEPTH [illegible] . COLOR [illegible] . TRANS.

WAVE [illegible] 1. WIND [illegible] 3. BARO 1011.5. AIR TEMP. DRY 19.[illegible]. WET . CLOUD. TYPE AC. AMT 06. WEATHER [illegible] .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	18.57	32.750	5.62							[illegible]	18.5	[illegible]	[illegible]	23.44	475	44[illegible]	0.0000
1[illegible]	18.[illegible]	32.750	5.6[illegible]							1	18.3[illegible]	32.750	5.67	[illegible]	[illegible]	435	[illegible].0440
2[illegible]	12.97	32.760	6.32							2[illegible]	12.97	32.760	6.32	24.68	[illegible]	[illegible]	[illegible]

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	10.15	32.750	6.33							30	10.15	32.750	6.33	25.19	278	278	0.1124
50	7.40	32.960	6.21							50	7.40	32.960	6.21	25.78	222	223	0.1626
70	7.36	32.930	6.02														

KOREA .JEONBUK 855 . STATION 310-08 . 35-20.1. N. 125-47.9. E. JUN.16.1983. 02:20 KST. DEPTH 88 . COLOR . TRANS. .
WAVE 2. SWELL 1. WIND E 2. BARO 1014. . AIR TEMP. DRY 19.4. WET . CLOUD. TYPE AC. AMT 09. WEATHER C .

0	18.90	32.730	5.36							0	18.90	32.730	5.36	23.33	455	455	0.0000
10	18.12	32.720	5.29							10	18.12	32.720	5.29	23.52	437	437	0.0446
20	15.85	32.710	6.05							20	15.85	32.710	6.05	24.04	388	388	0.0859
30	9.69	32.770	6.22							30	9.69	32.770	6.22	25.28	269	270	0.1189
50	7.08	32.840	6.04							50	7.08	32.840	6.04	25.73	227	227	0.1687
75	7.07	32.850	5.53							75	7.07	32.850	5.53	25.73	226	227	0.2256
86	6.60	32.890	5.63														

KOREA .JEONBUK 855 . STATION 310-09 . 35-20.1. N. 124-35.6. E. JUN.16.1983. 00:35 KST. DEPTH 91 . COLOR . TRANS. .
WAVE 2. SWELL 1. WIND E 2. BARO 1014.5. AIR TEMP. DRY 19.5. WET . CLOUD. TYPE AC. AMT 04. WEATHER BC.

0	18.60	32.750	5.33							0	18.60	32.750	5.33	23.42	447	446	0.0000
10	17.54	32.780	5.47							10	17.54	32.780	5.47	23.70	420	420	0.0433
20	14.95	32.790	5.93							20	14.95	32.790	5.93	24.30	363	363	0.0825
30	9.87	32.800	6.21							30	9.87	32.800	6.21	25.27	270	270	0.1141
50	8.61	32.920	6.46							50	8.61	32.920	6.46	25.57	242	243	0.1656
75	6.95	32.920	6.06							75	6.95	32.920	6.06	25.81	219	220	0.2235
89	6.91	32.960	5.33														

KOREA .JEONBUK 855 . STATION 310-10 . 35-20.1. N. 124-23.5. E. JUN.15.1983. 22:55 KST. DEPTH 90 . . COLOR . TRANS. .
WAVE 2. SWELL 1. WIND SE 2. BARO 1014. . AIR TEMP. DRY 19.2. WET . CLOUD. TYPE AC. AMT 07. WEATHER BC.

0	19.00	32.840	5.70							0	19.00	32.840	5.70	23.39	450	449	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	17.94	32.850	5.43							10	17.94	32.850	5.43	23.66	424	424	0.0437
20	16.88	32.830	5.72							20	16.88	32.830	5.72	23.90	401	402	0.0850
30	10.52	32.880	6.46							30	10.52	32.880	6.46	25.23	274	275	0.1188
50	9.27	32.880	6.42							50	9.27	32.880	6.42	25.43	255	255	0.1719
75	6.87	32.860	5.83							75	6.87	32.860	5.83	25.77	223	224	0.2319
88	6.88	32.860	6.51														

8月(August)

KOREA .GANGWON 854 . STATION 310-03 . 35-20.1. N. 125-49.3. E. AUG.11.1983. 06:25 KST. DEPTH 27 . COLOR . TRANS. .

WAVE 1. SWELL 1. WIND SE 2. BARO 1007. . AIR TEMP. DRY 26.0. WET . CLOUD. TYPE C1. AMT 03. WEATHER BC.

0	25.10	32.160	5.19							0	25.10	32.160	5.19	21.19	660	660	0.0000
10	24.39	32.160	5.26							10	24.39	32.160	5.26	21.40	640	640	0.0650
20	21.90	32.360	5.34							20	21.90	32.360	5.34	22.26	557	558	0.1249
25	18.57	32.570	5.16														

KOREA .GANGWON 854 . STATION 310-04 . 35-20.1. N. 125-36.5. E. AUG.11.1983. 05:00 KST. DEPTH 58 . COLOR . TRANS. .

WAVE 1. SWELL 1. WIND SE 2. BARO 1007. . AIR TEMP. DRY 27.0. WET . CLOUD. TYPE AS. AMT 05. WEATHER BC.

0	26.59	31.890	*****							0	26.59	31.890	*****	20.53	724	723	0.0000
10	25.87	32.050	4.95							10	25.87	32.050	4.95	20.87	691	691	0.0707
20	16.70	32.530	5.23							20	16.70	32.530	5.23	23.71	419	419	0.1263
30	14.96	32.750	5.43							30	14.96	32.750	5.43	24.26	366	367	0.1656
56	13.57	32.850	5.49							50	13.89	32.826	5.47	24.55	339	340	0.2364

KOREA .GANGWON 854 . STATION 310-05 . 35-20.1. N. 125-24.4. E. AUG.11.1983. 03:35 KST. DEPTH 71 . COLOR . TRANS. .

WAVE 1. SWELL 1. WIND SE 2. BARO 1007.6. AIR TEMP. DRY 27.6. WET . CLOUD. TYPE AS. AMT 05. WEATHER BC.

0	27.33	31.950	*****							0	27.33	31.950	*****	20.34	742	741	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	24.42	32.170	4.93							10	24.42	32.170	4.93	21.40	640	640	0.0691
20	16.43	32.550	5.24							20	16.43	32.550	5.24	23.78	412	412	0.1217
30	14.37	32.750	5.46							30	14.37	32.750	5.46	24.39	354	355	0.1601
50	12.64	32.850	5.37							50	12.64	32.850	5.37	24.82	314	314	0.2271
69	12.55	32.830	5.35														

KOREA .GANGWUN 854 . STATION 310-06 . 35-20.1. N. 125-12.1. E, AUG.11.1983. 02:10 KST, DEPTH 72 ., COLOR . TRANS. .

WAVE 1, SWELL 1. WIND SE 2. BARO 1007.5. AIR TEMP. DRY 27.5. WET . CLOUD. TYPE AS. AMT 06, WEATHER BC,

0	27.21	31.820	5.11							0	27.21	31.820	5.11	.20.28	747	747	0.0000
10	26.20	32.140	4.93							10	26.20	32.140	4.93	20.84	694	694	0.0721
20	16.86	32.500	5.43							20	16.86	32.500	5.43	23.65	425	425	0.1281
30	15.25	32.680	5.56							30	15.25	32.680	5.56	24.15	377	378	0.1683
50	11.97	32.820	5.42							50	11.97	32.820	5.42	24.92	304	304	0.2366
70	11.44	32.850	5.56														

KOREA .GANGWON 854 . STATION 310-07 . 35-20.1. N. 125-00.0. E, AUG.11.1983. 00:40 KST. DEPTH 80 , COLOR . TRANS. .

WAVE 1, SWELL 1, WIND S 2. BARO 1005.5, AIR TEMP. DRY 27.5. WET , CLOUD. TYPE AS. AMT 06, WEATHER BC,

0	27.26	31.700	5.05							0	27.26	31.700	5.05	20.17	758	757	0.0000
10	20.98	32.250	5.47							10	20.98	32.250	5.47	22.43	541	541	0.0649
20	17.46	32.500	5.55							20	17.46	32.500	5.55	23.51	438	439	0.1140
30	15.14	32.710	*****							30	15.14	32.710	5.51	24.19	373	373	0.1546
50	11.35	32.820	5.43							50	11.35	32.820	5.43	25.03	293	294	0.2214
78	11.21	32.810	5.33							75	11.22	32.811	5.34	25.05	291	293	0.2948

KOREA .GANGWON 854 , STATION 310-08 . 35-20.1. N, 125-47.9. E. AUG.10.1983. 23:15 KST. DEPTH 85 , COLOR . TRANS. .

WAVE 1. SWELL 1, WIND S 2, BARO 1005.5, AIR TEMP. DRY 28.0. WET , CLOUD. TYPE AS. AMT 07. WEATHER BC.

0	27.51	31.890	5.26							0	27.51	31.890	5.26	20.24	752	751	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	17.93	32.390	5.50							10	17.93	32.390	5.50	23.31	457	457	0.0604
20	14.37	******	5.35							20	14.37	32.595	5.35	24.27	366	366	0.1016
30	11.90	32.800	5.56							30	11.90	32.800	5.56	24.92	304	304	0.1352
50	9.65	32.870	5.63							50	9.65	32.870	5.63	25.36	261	262	0.1919
75	9.42	32.850	5.63							75	9.42	32.850	5.63	25.39	259	260	0.2573
83	9.36	32.860	5.38														
KOREA .GANGWON 854 . STATION 310-09 . 35-20.1. N. 124-35.6. E, AUG.10.1983. 21:05 KST. DEPTH 90 . COLOR . TRANS.																	
WAVE 1. SWELL 1. WIND 5 2, BARO 1005.5. AIR TEMP. DRY 28.0. WET . CLOUD. TYPE AS, AMT 06, WEATHER BC.																	
0	27.54	31.750	5.04							0	27.54	31.750	5.04	20.12	763	762	0.0000
10	18.53	32.400	5.28							10	18.53	32.400	5.28	23.17	470	470	0.0616
20	16.17	32.590	5.53							20	16.17	32.590	5.53	23.87	403	403	0.1054
30	13.79	32.750	*****							30	13.79	32.750	5.56	24.51	343	343	0.1428
50	10.87	32.860	5.62							50	10.87	32.860	5.62	25.15	282	282	0.2054
75	10.24	32.870	5.53							75	10.24	32.870	5.53	25.27	271	272	0.2748
88	9.64	32.910	5.58														
KOREA .GANGWON 854 . STATION 310-10 . 35-20.1. N. 124-25.5. E. AUG.10.1983. 20:30 KST. DEPTH 91 . COLOR . TRANS.																	
WAVE 1. SWELL 1. WIND 5 2. BARO 1005. . AIR TEMP. DRY 28.7. WET . CLOUD. TYPE AS. AMT 06. WEATHER BC.																	
0	28.00	31.920	4.73							0	28.00	31.920	4.73	20.10	765	764	0.0000
10	26.35	32.090	5.13							10	26.35	32.090	5.13	20.75	702	702	0.0733
20	15.75	32.470	5.68							20	15.75	32.470	5.68	23.88	403	403	0.1286
30	13.67	32.730	5.63							30	13.67	32.730	5.63	24.52	342	342	0.1660
50	11.08	32.880	5.43							50	11.08	32.880	5.43	25.13	284	285	0.2287
75	10.79	32.890	5.61							75	10.79	32.890	5.61	25.19	278	279	0.2994
89	10.77	32.910	5.50														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY

10月(October)

KOREA ,JEONBUK 855 , STATION 310-03 , 35-20.1. N, 125-49.3. E. OCT.13.1983, 13:00 KST. DEPTH 28 , COLOR 4. TRANS. 8.0,
WAVE 2, SWELL 2, WIND N 3, BARO 1020. , AIR TEMP. DRY 17.5, WET . CLOUD. TYPE AS. AMT 10. WEATHER R .

0	19.88	32.120	5.36							0	19.88	32.120	5.36	22.61	523	523	0.0000
10	19.90	32.160	5.38							10	19.90	32.160	5.38	22.64	521	521	0.0522
20	19.84	32.220	5.10							20	19.84	32.220	5.10	22.70	515	515	0.1041
26	16.00	32.430	5.32														

KOREA ,JEONBUK 855 , STATION 310-04 , 35-20.1. N, 125-36.5. E, OCT.11.1983, 11:25 KST, DEPTH 58 , COLOR 3. TRANS. 12.0.
WAVE 2, SWELL 2, WIND N 3, BARO 1020. , AIR TEMP. DRY 17.6, WET , CLOUD. TYPE AS. AMT 10, WEATHER R .

0	19.90	32.180	5.21							0	19.90	32.180	5.21	22.66	519	519	0.0000
10	19.65	32.200	5.28							10	19.65	32.200	5.28	22.74	512	512	0.0515
20	18.03	32.210	5.29							20	18.03	32.210	5.29	23.15	473	473	0.1008
30	17.52	32.210	4.72							30	17.52	32.210	4.72	23.27	461	461	0.1476
56	15.87	32.330	4.63							50	16.25	32.302	4.65	23.64	426	427	0.2365

KOREA ,JEONBUK 855 , STATION 310-05 , 35-20.1. N. 125-24.4. E. OCT.13.1983, 09:45 KST. DEPTH 71 , COLOR 3, TRANS. 12.0,
WAVE 2, SWELL 2, WIND N 3, BARO 1021. , AIR TEMP. DRY 17.0, WET , CLOUD. TYPE AS. AMT 10, WEATHER R .

0	20.10	32.030	5.30							0	20.10	32.030	5.30	22.47	535	535	0.0000
10	20.28	32.130	5.03							10	20.28	32.130	5.03	22.52	532	532	0.0534
20	20.08	32.230	5.28							20	20.08	32.230	5.28	22.65	520	521	0.1061
30	20.03	32.250	5.01							30	20.03	32.250	5.01	22.68	518	518	0.1581
50	13.43	32.300	4.86							50	13.43	32.300	4.86	24.24	369	370	0.2469
68	11.81	32.660	4.96														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 310-06 , 35-20.1. N, 125-12.1. E. OCT.13.1983, 08:10 KST. DEPTH 72 . COLOR 3. TRANS. 14.0.																	
WAVE 2, SWELL 2. WIND N 3, BARO 1020. , AIR TEMP. DRY 18.0. WET . CLOUD. TYPE AC. AMT 10. WEATHER C .																	
0	20.06	32.040	5.38							0	20.06	32.040	5.38	22.51	534	533	0.0000
10	20.29	32.180	5.40							10	20.29	32.180	5.40	22.56	529	529	0.0531
20	20.16	32.260	5.29							20	20.16	32.260	5.29	22.65	520	520	0.1056
30	19.79	32.430	5.13							30	19.79	32.430	5.13	22.88	499	499	0.1567
50	10.14	32.710	4.91							50	10.14	32.710	4.91	25.16	281	282	0.2348
70	9.65	32.890	4.90														
KOREA .JEONBUK 855 , STATION 310-07 , 35-20.1. N, 125-00.0. E, OCT.13.1983. 06:30 KST. DEPTH 82 . COLOR 3. TRANS. 13.0.																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1020. . AIR TEMP. DRY 18.5. WET . CLOUD. TYPE AS, AMT 09, WEATHER C ,																	
0	20.61	32.060	5.61							0	20.61	32.060	5.61	22.38	546	546	0.0000
10	20.85	32.200	5.42							10	20.85	32.200	5.42	22.42	542	542	0.0544
20	20.85	32.270	5.24							20	20.85	32.270	5.24	22.48	537	537	0.1084
30	16.28	32.250	5.41							30	16.28	32.250	5.41	23.59	430	431	0.1568
50	8.25	32.780	5.01							50	8.25	32.780	5.01	25.51	247	248	0.2248
80	8.18	32.850	5.12							75	8.19	32.838	5.10	25.57	242	243	0.2862
KOREA .JEONBUK 855 , STATION 310-08 , 35-20.1. N, 125-47.9. E, OCT.13.1983. 04:50 KST, DEPTH 86 , COLOR , TRANS. .																	
WAVE 2, SWELL 2, WIND NW 2. BARO 1021. , AIR TEMP. DRY 18.3, WET . CLOUD. TYPE AC. AMT 08. WEATHER C .																	
0	20.90	32.130	5.23							0	20.90	32.130	5.23	22.36	548	548	0.0000
10	21.19	32.260	5.36							10	21.19	32.260	5.36	22.38	546	546	0.0547
20	21.10	32.230	5.50							20	21.10	32.230	5.50	22.38	546	546	0.1094
30	15.00	32.520	5.40							30	15.00	32.520	5.40	24.08	384	384	0.1560
50	8.14	32.940	5.00							50	8.14	32.940	5.00	25.65	234	234	0.2179
75	8.10	32.970	5.11							75	8.10	32.970	5.11	25.68	231	232	0.2763
83	8.16	33.080	4.96														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JEONBUK 855 . STATION 310-09 . 35-20.1. N. 124-35.6. E, OCT.13.1983. 03:05 KST. DEPTH 92 . COLOR , TRANS. ,

WAVE 2, SWELL 2, WIND NW 2, BARO 1021. , AIR TEMP. DRY 18.0, WET . CLOUD. TYPE AC. AMT 08. WEATHER C ,

0	21.10	32.050	5.14							0	21.10	32.050	5.14	22.24	559	559	0.0000
10	21.11	32.090	5.11							10	21.11	32.090	5.11	22.27	556	556	0.0558
20	21.11	32.250	5.31							20	21.11	32.250	5.31	22.39	545	545	0.1109
30	17.59	32.490	5.43							30	17.59	32.490	5.43	23.47	442	443	0.1603
50	8.18	32.890	5.21							50	8.18	32.890	5.21	25.61	238	239	0.2285
75	8.08	32.920	5.22							75	8.08	32.920	5.22	25.65	234	235	0.2879
80	8.13	32.940	5.29														

KOREA ,JEONBUK 855 , STATION 310-10 , 35-20.1. N. 124-23.5. E. OCT.13.1983. 01:25 KST. DEPTH 90 , COLOR , TRANS. .

WAVE 2, SWELL 2, WIND NW 2. BARO 1021. . AIR TEMP. DRY 17.8. WET , CLOUD. TYPE AC. AMT 07, WEATHER BC,

0	21.30	32.070	5.22							0	21.30	32.070	5.22	22.20	563	562	0.0000
10	21.21	32.160	5.45							10	21.21	32.160	5.45	22.30	554	554	0.0558
20	21.13	32.260	5.67							20	21.13	32.260	5.67	22.39	545	545	0.1108
30	15.16	32.630	5.62							30	15.16	32.630	5.62	24.13	379	379	0.1571
50	8.06	32.870	5.14							50	8.06	32.870	5.14	25.61	238	238	0.2190
75	8.03	32.910	4.92							75	8.03	32.910	4.92	25.65	234	235	0.2783
86	8.05	33.000	4.93														

12月(December)

KOREA .JEONBUK 855 . STATION 310-03 . 35-20.1. N, 125-49.3. E, DEC.21.1983, 05:10 KST, DEPTH 27 . COLOR . TRANS. .

WAVE 1, SWELL 1, WIND NE 2, BARO 1030. , AIR TEMP. DRY 5.3, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	9.54	32.200	6.30							0	9.54	32.200	6.30	24.86	309	309	0.0000
10	9.63	32.200	6.30							10	9.63	32.200	6.30	24.85	311	311	0.0310
20	9.38	32.210	6.46							20	9.38	32.210	6.46	24.89	306	306	0.0619
25	9.09	32.210	6.37														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JEONBUK 855 , STATION 310-04 , 35-20.1. N, 125-36.5. E, DEC.21.1983, 03:40 KST, DEPTH 58 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1028. , AIR TEMP. DRY 5.8, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	9.97	32.210	6.50							0	9.97	32.210	6.50	24.80	315	315	0.0000
10	10.14	32.210	6.58							10	10.14	32.210	6.58	24.77	318	318	0.0316
20	10.25	32.220	6.58							20	10.25	32.220	6.58	24.76	319	319	0.0635
30	10.15	32.230	6.23							30	10.15	32.230	6.23	24.78	317	317	0.0954
56	10.19	32.230	6.28							50	10.18	32.230	6.26	24.78	317	318	0.1589
KOREA ,JEONBUK 855 , STATION 310-05 , 35-20.1. N, 125-24.4. E, DEC.21.1983, 02:10 KST, DEPTH 71 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1031. , AIR TEMP. DRY 5.6, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	10.33	32.380	6.38							0	10.33	32.380	6.38	24.87	308	308	0.0000
10	10.35	32.380	6.39							10	10.35	32.380	6.39	24.87	309	309	0.0308
20	10.45	32.400	6.49							20	10.45	32.400	6.49	24.87	309	309	0.0618
30	10.33	32.380	6.23							30	10.33	32.380	6.23	24.87	308	309	0.0927
50	10.31	32.380	6.28							50	10.31	32.380	6.28	24.87	308	309	0.1545
68	10.46	32.410	6.18														
KOREA ,JEONBUK 855 , STATION 310-06 , 35-20.1. N, 125-12.1. E, DEC.21.1983, 00:40 KST, DEPTH 72 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1030. , AIR TEMP. DRY 6.3, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	10.28	32.420	6.29							0	10.28	32.420	6.29	24.91	305	304	0.0000
10	10.14	32.380	6.23							10	10.14	32.380	6.23	24.90	305	305	0.0305
20	10.20	32.440	6.39							20	10.20	32.440	6.39	24.94	302	302	0.0609
30	10.11	32.440	6.08							30	10.11	32.440	6.08	24.95	300	301	0.0911
50	10.07	32.490	6.20							50	10.07	32.490	6.20	25.00	296	297	0.1509
70	10.04	32.450	6.19														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 310-07 . 35-20.1. N, 125-00.0. E, DEC.20.1983. 23:05 KST. DEPTH 82 . COLOR . TRANS. .																	
WAVE 2, SWELL 1, WIND N 2, BARO 1030. , AIR TEMP. DRY 10.3, WET . CLOUD. TYPE . AMT 00, WEATHER B .																	
0	9.97	32.430	6.78							0	9.97	32.430	6.78	24.97	299	299	0.0000
10	9.95	32.450	6.78							10	9.95	32.450	6.78	24.99	297	297	0.0298
20	9.93	32.420	6.63							20	9.93	32.420	6.63	24.97	299	299	0.0596
30	9.78	32.430	6.40							30	9.78	32.430	6.40	25.00	296	296	0.0895
50	9.82	32.550	6.08							50	9.82	32.550	6.08	25.09	288	288	0.1480
80	9.85	32.540	6.08							75	9.84	32.541	6.08	25.08	289	290	0.2204
KOREA .JEONBUK 855 . STATION 310-08 . 35-20.1. N. 125-47.9. E. DEC.20.1983. 21:35 KST. DEPTH 86 . COLOR . TRANS. .																	
WAVE 2, SWELL 1. WIND N 2. BARO 1029. , AIR TEMP. DRY 9.8. WET , CLOUD. TYPE CI, AMT 03, WEATHER BC.																	
0	10.20	32.300	6.67							0	10.20	32.300	6.67	24.83	312	312	0.0000
10	10.11	32.290	6.68							10	10.11	32.290	6.68	24.84	312	311	0.0312
20	10.05	32.430	6.48							20	10.05	32.430	6.48	24.96	300	300	0.0618
30	9.82	32.420	6.28							30	9.82	32.420	6.28	24.99	297	298	0.0917
50	9.77	32.500	6.10							50	9.77	32.500	6.10	25.06	291	291	0.1507
75	9.42	32.670	5.78							75	9.42	32.670	5.78	25.25	273	274	0.2214
83	9.35	32.680	6.08														
KOREA .JEONBUK 855 . STATION 310-09 . 35-20.1. N, 124-35.6. E, DEC.20.1983. 20:00 KST, DEPTH 92 . COLOR . TRANS. .																	
WAVE 2, SWELL 1. WIND NW 2, BARO 1030. . AIR TEMP. DRY 9.2. WET . CLOUD. TYPE AC. AMT 03. WEATHER BC.																	
0	10.30	32.310	6.63							0	10.30	32.310	6.63	24.82	313	313	0.0000
10	10.21	32.280	6.49							10	10.21	32.280	6.49	24.81	314	314	0.0313
20	10.21	32.370	6.38							20	10.21	32.370	6.38	24.88	307	307	0.0624
30	10.23	32.400	6.25							30	10.23	32.400	6.25	24.90	305	306	0.0931
50	9.48	32.450	6.03							50	9.48	32.450	6.03	25.06	290	290	0.1528

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	9.32	32.990	5.86							75	9.32	32.990	5.86	25.51	247	248	0.2203
90	9.31	33.090	5.78														

KOREA .JEONBUK 855 . STATION 310-10 . 35-20.1. N. 124-23.5. E. DEC.20.1983. 18:30 KST. DEPTH 90 . COLOR . TRANS. .

WAVE 2. SWELL 1. WIND NW 2. BARO 1030. . AIR TEMP. DRY 9.0. WET . CLOUD. TYPE AC. AMT 03. WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	10.40	32.370	6.48							0	10.40	32.370	6.48	24.85	310	310	0.0000
10	10.25	32.310	6.68							10	10.25	32.310	6.68	24.83	312	312	0.0311
20	10.25	32.330	6.63							20	10.25	32.330	6.63	24.84	311	311	0.0623
30	10.25	32.310	6.38							30	10.25	32.310	6.38	24.83	312	313	0.0935
50	9.50	32.340	6.00							50	9.50	32.340	6.00	24.98	298	299	0.1548
75	9.34	32.920	6.00							75	9.34	32.920	6.00	25.45	253	254	0.2240
87	9.42	32.980	5.93														

311線 海洋觀測 成績

Oceanographic Data. Line 311

2月(February)

KOREA .JEONBUK 855 . STATION 311-04 . 34-43.0. N. 125-43.9. E. FEB.23.1983. 15:40 KST. DEPTH 34 . COLOR 7. TRANS. 1.0.

WAVE 2. SWELL 2. WIND N 3. BARO 1032. . AIR TEMP. DRY 4.5. WET . CLOUD. TYPE AC. AMT 10. WEATHER S .

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	3.95	32.570	6.72							0	3.95	32.570	6.72	25.88	212	212	0.0000
10	3.98	32.560	6.71							10	3.98	32.560	6.71	25.87	213	213	0.0213
20	4.13	32.560	6.34							20	4.13	32.560	6.34	25.85	215	215	0.0427
30	4.10	32.570	6.31							30	4.10	32.570	6.31	25.86	214	214	0.0642

KOREA .JEONBUK 855 . STATION 311-05 , 34-43.0. N, 125-31.9. E, FEB.23.1983, 17:20 KST, DEPTH 75 , COLOR 6. TRANS. 3.0,

WAVE 3, SWELL 2, WIND NE 4, BARO 1032. , AIR TEMP. DRY 3.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER R ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.06	32.720	6.82							0	6.06	32.720	6.82	25.76	223	223	0.0000
10	6.10	32.790	6.74							10	6.10	32.790	6.74	25.81	219	218	0.0221
20	6.14	32.770	6.72							20	6.14	32.770	6.72	25.79	221	221	0.0441
30	6.01	32.740	6.45							30	6.01	32.740	6.45	25.79	221	221	0.0662
50	6.14	32.720	6.52							50	6.14	32.720	6.52	25.75	224	225	0.1109
70	5.82	32.720	6.60														

KOREA .JEONBUK 855 , STATION 311-06 , 34-43.0. N, 125-19.4. E, FEB.27.1983, 03:15 KST, DEPTH 88 , COLOR . TRANS. .

WAVE 2, SWELL 1, WIND NE 2, BARO 1034. , AIR TEMP. DRY 4.6, WET , CLOUD. TYPE AC, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.40	32.760	6.44							0	6.40	32.760	6.44	25.75	224	224	0.0000
10	6.37	32.770	6.75							10	6.37	32.770	6.75	25.76	223	223	0.0224
20	6.50	32.770	6.62							20	6.50	32.770	6.62	25.75	225	225	0.0448
30	6.52	32.770	6.80							30	6.52	32.770	6.80	25.74	225	225	0.0674

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	6.40	32.770	6.71							50	6.40	32.770	6.71	25.76	224	224	0.1124
75	6.52	32.770	6.70							75	6.52	32.770	6.70	25.74	225	226	0.1688
83	6.51	32.740	6.63														
KOREA .JEONBUK 855 . STATION 311-07 , 34-43.0. N, 125-00.0. E, FEB.27.1983. 05:45 KST, DEPTH 90 , COLOR . TRANS. WAVE 2, SWELL 1, WIND NE 2, BARO 1034. , AIR TEMP. DRY 5.1, WET , CLOUD. TYPE AC, AMT 06, WEATHER BC,																	
0	6.45	32.790	6.60							0	6.45	32.790	6.60	25.77	223	223	0.0000
10	6.51	32.770	6.62							10	6.51	32.770	6.62	25.75	225	225	0.0224
20	6.52	32.760	6.52							20	6.52	32.760	6.52	25.74	226	226	0.0450
30	6.41	32.760	6.57							30	6.41	32.760	6.57	25.75	225	225	0.0675
50	6.54	32.790	6.54							50	6.54	32.790	6.54	25.76	224	224	0.1125
75	6.54	32.790	6.53							75	6.54	32.790	6.53	25.76	224	225	0.1688
85	6.47	32.860	6.14														
KOREA .JEONBUK 855 . STATION 311-08 . 34-43.0. N, 124-47.9. E, FEB.27.1983, 07:30 KST, DEPTH 93 . COLOR . TRANS. WAVE 2, SWELL 1, WIND NE 2, BARO 1034. , AIR TEMP. DRY 5.1, WET , CLOUD. TYPE AS, AMT 09, WEATHER C ,																	
0	6.60	32.770	6.22							0	6.60	32.770	6.22	25.73	226	226	0.0000
10	6.60	32.780	6.30							10	6.60	32.780	6.30	25.74	225	225	0.0226
20	6.72	32.790	6.18							20	6.72	32.790	6.18	25.73	226	226	0.0452
30	6.74	32.830	6.33							30	6.74	32.830	6.33	25.76	223	224	0.0677
50	6.61	32.850	6.42							50	6.61	32.850	6.42	25.80	220	221	0.1122
75	6.72	32.860	6.39							75	6.72	32.860	6.39	25.79	221	222	0.1676
88	6.70	32.890	6.10														
KOREA .JEONBUK 855 . STATION 311-09 , 34-43.0. N, 124-35.8. E, FEB.27.1983, 09:10 KST, DEPTH 88 , COLOR 4, TRANS. 4.5. WAVE 2. SWELL 1, WIND NE 2, BARO 1034. , AIR TEMP. DRY 5.6, WET , CLOUD. TYPE AC, AMT 08, WEATHER C ,																	
0	7.00	32.790	6.22							0	7.00	32.790	6.22	25.70	230	229	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10.	7.01	32.770	6.30							10	7.01	32.770	6.30	25.68	231	231	0.0230
20	7.19	32.770	6.22							20	7.19	32.770	6.22	25.66	234	234	0.0463
30	7.20	32.790	6.30							30	7.20	32.790	6.30	25.67	232	232	0.0697
50	7.20	32.760	6.41							50	7.20	32.760	6.41	25.65	235	235	0.1165
75	7.20	32.770	6.22							75	7.20	32.770	6.22	25.65	234	234	0.1753
83	7.10	32.850	6.20														

KOREA .JEONBUK 855 . STATION 311-10 . 34-43.0. N. 124-23.4. E. FEB.27.1983. 10:55 KST. DEPTH 87 . COLOR 4, TRANS. 3.5.
WAVE 2. SWELL 1, WIND NE 2. BARO 1034. . AIR TEMP. DRY 6.1. WET . CLOUD. TYPE AC. AMT 07. WEATHER BC.

0	7.32	32.810	6.22							0	7.32	32.810	6.22	25.67	232	232	0.0000
10.	7.44	32.830	6.20							10	7.44	32.830	6.20	25.67	232	232	0.0232
20	7.48	32.850	6.02							20	7.48	32.850	6.02	25.68	231	231	0.0465
30	7.46	32.860	6.06							30	7.46	32.860	6.06	25.69	230	231	0.0696
50	7.51	32.830	5.97							50	7.51	32.830	5.97	25.66	233	234	0.1161
82	7.41	32.810	5.93							75	7.43	32.814	5.93	25.66	234	234	0.1748

4月(April)

KOREA .JEONBUK 855 , STATION 311-04 . 34-43.0. N, 125-43.9. E, APR.12.1983, 19:50 KST, DEPTH 35 , COLOR , TRANS. .
WAVE 1. SWELL 1, WIND W 2, BARO 1018. , AIR TEMP. DRY 8.5, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,

0	9.05	32.920	6.01							0	9.05	32.920	6.01	25.50	248	248	0.0000
10	8.66	32.880	5.91							10	8.66	32.880	5.91	25.53	246	246	0.0247
20	8.85	32.940	5.84							20	8.85	32.940	5.84	25.55	244	244	0.0492
32	8.73	32.950	5.81							30	8.75	32.948	5.81	25.57	242	242	0.0736

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 311-05 , 34-43.0. N, 125-31.9. E, APR.12.1983, 21:25 KST. DEPTH 75 . COLOR . TRANS.																	
WAVE 1, SWELL 1, WIND W 2, BARO 1018. , AIR TEMP. DRY 8.4, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,																	
0	7.53	32.880	6.13							0	7.53	32.880	6.13	25.69	230	230	0.0000
10	7.37	32.900	6.11							10	7.37	32.900	6.11	25.73	226	226	0.0228
20	7.00	32.950	5.81							20	7.00	32.950	5.81	25.82	218	218	0.0450
30	6.89	32.950	6.01							30	6.89	32.950	6.01	25.84	216	216	0.0668
50	6.72	32.940	6.13							50	6.72	32.940	6.13	25.85	215	215	0.1101
70	6.71	32.950	6.16														
KOREA .JEONBUK 855 , STATION 311-06 , 34-43.0. N, 125-19.4. E, APR.16.1983, 23:15 KST. DEPTH 90. , COLOR . TRANS.																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1017. , AIR TEMP. DRY 7.5, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	8.00	32.830	6.24							0	8.00	32.830	6.24	25.59	240	240	0.0000
10	7.95	32.970	6.36							10	7.95	32.970	6.36	25.71	229	229	0.0234
20	7.62	33.170	6.03							20	7.62	33.170	6.03	25.91	210	210	0.0454
30	7.56	33.150	6.01							30	7.56	33.150	6.01	25.90	210	210	0.0664
50	7.41	33.220	6.51							50	7.41	33.220	6.51	25.98	203	203	0.1079
75	7.68	33.280	6.11							75	7.68	33.280	6.11	25.99	202	203	0.1588
85	7.61	33.270	6.51														
KOREA .JEONBUK 855 , STATION 311-07 . 34-43.0. N, 125-00.0. E, APR.17.1983, 01:40 KST, DEPTH 90 . COLOR . TRANS.																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1022.5, AIR TEMP. DRY 7.7, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	7.75	33.350	6.49							0	7.75	33.350	6.49	26.03	198	198	0.0000
10	7.72	33.370	6.41							10	7.72	33.370	6.41	26.05	196	196	0.0197
20	7.71	33.350	6.32							20	7.71	33.350	6.32	26.04	197	197	0.0394
30	7.60	33.330	6.31							30	7.60	33.330	6.31	26.04	197	197	0.0592
50	7.12	33.310	6.61							50	7.12	33.310	6.61	26.09	192	193	0.0985

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	7.89	33.340	6.41							75	7.89	33.340	6.41	26.00	201	201	0.1477
85	7.87	33.360	6.51														

KOREA .JEONBUK 855 , STATION 311-08 , 34-43.0. N, 124-47.9. E, APR.17.1983, 03:20 KST, DEPTH 93 , COLOR , TRANS. ,
WAVE 1, SWELL 1, WIND SE 1, BARO 1023. , AIR TEMP. DRY 7.1, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

0	8.20	33.600	6.37							0	8.20	33.600	6.37	26.16	186	185	0.0000
10	8.37	33.750	6.38							10	8.37	33.750	6.38	26.25	177	177	0.0181
20	8.30	33.750	6.53							20	8.30	33.750	6.53	26.26	176	176	0.0358
30	7.86	33.780	6.86							30	7.86	33.780	6.86	26.35	167	168	0.0530
50	7.10	33.760	6.83							50	7.10	33.760	6.83	26.45	159	159	0.0858
75	6.93	33.770	6.51							75	6.93	33.770	6.51	26.48	156	156	0.1253
88	6.85	33.780	6.43														

KOREA .JEONBUK 855 , STATION 311-09 , 34-43.0. N, 124-35.8. E, APR.17.1983, 04:55 KST, DEPTH 88 , COLOR , TRANS. ,
WAVE 1, SWELL 1, WIND SE 1, BARO 1024. , AIR TEMP. DRY 8.4, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

0	8.50	33.690	6.69							0	8.50	33.690	6.69	26.19	183	183	0.0000
10	8.52	33.670	6.66							10	8.52	33.670	6.66	26.17	185	185	0.0184
20	8.59	33.680	6.62							20	8.59	33.680	6.62	26.17	185	185	0.0369
30	8.33	33.680	6.61							30	8.33	33.680	6.61	26.20	181	182	0.0553
50	7.00	33.730	6.31							50	7.00	33.730	6.31	26.44	160	160	0.0896
75	6.98	33.730	6.22							75	6.98	33.730	6.22	26.44	159	160	0.1297
83	6.99	33.730	6.32														

KOREA .JEONBUK 855 , STATION 311-10 . 34-43.0. N, 124-23.4. E, APR.17.1983. 06:35 KST. DEPTH 85 . , COLOR . TRANS. .
WAVE 1, SWELL 1, WIND SE 1, BARO 1025. , AIR TEMP. DRY 8.1, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

0	8.52	33.630	6.64							0	8.52	33.630	6.64	26.14	188	188	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	8.37	33.640	6.81							10	8.37	33.640	6.81	26.17	185	185	0.0186
20	8.26	33.630	6.73							20	8.26	33.630	6.73	26.18	184	184	0.0371
30	7.24	33.600	6.76							30	7.24	33.600	6.76	26.30	172	173	0.0550
50	7.17	33.590	6.43							50	7.17	33.590	6.43	26.30	172	173	0.0896
80	7.06	33.610	6.39							75	7.07	33.606	6.39	26.33	170	171	0.1327

6 月(June)

KOREA ,JEONBUK 855 , STATION 311-04 , 34-43.0. N, 125-43.9. E, JUN.16.1983, 15:45 KST, DEPTH 32 , COLOR 5, TRANS. 1.0,
WAVE 2, SWELL 1, WIND N 2, BARO 1010.2, AIR TEMP. DRY 19.6, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.29	33.270	5.82							0	15.29	33.270	5.82	24.59	335	335	0.0000
10	14.56	33.310	5.62							10	14.56	33.310	5.62	24.78	317	317	0.0326
20	14.52	33.340	5.87							20	14.52	33.340	5.87	24.81	314	314	0.0642
30	14.40	33.420	5.95							30	14.40	33.420	5.95	24.90	306	306	0.0952

KOREA .JEONBUK 855 . STATION 311-05 . 34-43.0. N, 125-31.9. E. JUN.16.1983. 17:20 KST. DEPTH 75 . COLOR 5. TRANS. 25.0.
WAVE 2, SWELL 1, WIND N 2, BARO 1012. , AIR TEMP. DRY 18.1, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.59	32.980	5.91							0	13.59	32.980	5.91	24.73	322	322	0.0000
10	12.52	33.010	5.83							10	12.52	33.010	5.83	24.96	300	300	0.0311
20	12.49	33.020	5.88							20	12.49	33.020	5.88	24.98	298	298	0.0610
30	12.36	33.090	6.16							30	12.36	33.090	6.16	25.05	291	291	0.0905
50	12.31	33.120	6.46							50	12.31	33.120	6.46	25.09	288	289	0.1486
72	12.14	33.130	5.99														

KOREA ,JEONBUK 855 , STATION 311-06 , 34-43.0. N, 125-19.4. E, JUN.17.1983. 09:35 KST. DEPTH 72 , COLOR 5. TRANS. 5.0.
WAVE 1, SWELL 1, WIND SE 1, BARO 1010.5, AIR TEMP. DRY 19.0, WET , CLOUD. TYPE CI, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.38	32.940	5.52							0	15.38	32.940	5.52	24.32	361	361	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	13.05	32.950	5.88							10	13.05	32.950	5.88	24.81	314	314	0.0337
20	12.27	32.970	5.78							20	12.27	32.970	5.78	24.98	298	298	0.0644
30	12.09	32.990	6.11							30	12.09	32.990	6.11	25.03	293	294	0.0940
50	12.00	33.020	6.36							50	12.00	33.020	6.36	25.07	289	290	0.1525
75	10.33	33.030	6.28							75	10.33	33.030	6.28	25.38	260	261	0.2216
85	9.61	33.050	5.83														
KOREA .JEONBUK 855 . STATION 311-07 . 34-43.0. N, 125-00.0. E. JUN.17.1983. 12:10 KST. DEPTH 92 . COLOR 3. TRANS. 13.0.																	
WAVE 1, SWELL 1, WIND E 1, BARO 1012.5, AIR TEMP. DRY 19.7, WET , CLOUD. TYPE AC, AMT 07, WEATHER BC.																	
0	17.50	32.950	5.81							0	17.50	32.950	5.81	23.84	406	406	0.0000
10	14.73	33.010	5.72							10	14.73	33.010	5.72	24.51	342	342	0.0374
20	12.10	33.070	5.82							20	12.10	33.070	5.82	25.09	288	288	0.0690
30	11.71	33.070	6.52							30	11.71	33.070	6.52	25.16	281	281	0.0975
50	9.52	33.150	6.52							50	9.52	33.150	6.52	25.60	239	239	0.1496
75	7.65	33.160	5.88							75	7.65	33.160	5.88	25.90	211	211	0.2060
85	7.61	33.180	6.18														
KOREA .JEONBUK 855 , STATION 311-08 , 34-43.0. N, 124-47.9. E, JUN.17.1983, 13:45 KST, DEPTH 93 , COLOR 3, TRANS. 15.0,																	
WAVE 1, SWELL 1, WIND E 1, BARO 1012.4, AIR TEMP. DRY 21.5, WET , CLOUD. TYPE AC, AMT 09, WEATHER C ,																	
0	19.20	32.840	5.61							0	19.20	32.840	5.61	23.34	454	454	0.0000
10	18.56	32.910	5.71							10	18.56	32.910	5.71	23.55	434	434	0.0444
20	15.81	32.950	5.87							20	15.81	32.950	5.87	24.23	369	369	0.0846
30	11.85	32.990	6.38							30	11.85	32.990	6.38	25.07	289	289	0.1176
50	7.75	32.980	6.01							50	7.75	32.980	6.01	25.74	225	226	0.1692
75	7.57	33.000	5.71							75	7.57	33.000	5.71	25.78	222	222	0.2254
91	7.58	33.120	5.81														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JEONBUK 855 , STATION 311-09 , 34-43.0. N, 124-35.6. E, JUN.17.1983, 15:25 KST, DEPTH 88 , COLOR 2. TRANS. 16.0.
WAVE 1, SWELL 1, WIND E 1, BARO 1012. , AIR TEMP. DRY 23.1, WET , CLOUD. TYPE AC, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.80	32.790	5.69							0	20.80	32.790	5.69	22.88	498	497	0.0000
10	18.51	32.820	5.69							10	18.51	32.820	5.69	23.50	439	439	0.0468
20	18.04	32.840	5.88							20	18.04	32.840	5.88	23.63	427	427	0.0902
30	13.11	32.850	6.32							30	13.11	32.850	6.32	24.72	322	323	0.1278
50	8.76	32.990	6.02							50	8.76	32.990	6.02	25.60	239	240	0.1841
75	7.73	33.000	6.01							75	7.73	33.000	6.01	25.76	224	224	0.2422
85	7.68	33.000	5.53														

KOREA ,JEONBUK 855 , STATION 311-10 . 34-43.0. N. 124-23.4. E. JUN.17.1983. 17:10 KST. DEPTH 84 . COLOR 2. TRANS. 14.0.
WAVE 1, SWELL 1, WIND E 1, BARO 1011.5, AIR TEMP. DRY 22.7. WET . CLOUD. TYPE CI. AMT 01, WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	18.90	33.030	5.52							0	18.90	33.030	5.52	23.56	433	433	0.0000
10	18.65	33.070	5.69							10	18.65	33.070	5.69	23.65	424	424	0.0429
20	14.45	33.100	6.09							20	14.45	33.100	6.09	24.64	330	330	0.0807
30	10.85	33.120	6.56							30	10.85	33.120	6.56	25.36	262	263	0.1104
50	8.19	33.150	6.47							50	8.19	33.150	6.47	25.81	219	219	0.1586
82	8.18	33.170	5.87							75	8.18	33.165	6.00	25.82	218	219	0.2135

8月(August)

KOREA .GANGWON 854 . STATION 311-04 . 34-43.0. N. 125-43.9. E. AUG.11.1983. 11:00 KST. DEPTH 35 . COLOR , TRANS.
WAVE 1, SWELL 1, WIND NE 2, BARO 1008.3, AIR TEMP. DRY 22.5, WET , CLOUD. TYPE AS, AMT 10, WEATHER C .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	20.04	32.300	5.26							0	20.04	32.300	5.26	22.71	514	514	0.0000
10	18.24	32.430	5.29							10	18.24	32.430	5.29	23.27	461	461	0.0488
20	17.67	32.470	5.38							20	17.67	32.470	5.38	23.43	445	446	0.0942
33	17.21	32.440	5.21							30	17.31	32.446	5.24	23.50	439	440	0.1385

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 311-05 . 34-43.0. N. 125-31.9. E. AUG.11.1983. 12:20 KST. DEPTH 76 . COLOR . TRANS. .																	
WAVE 1, SWELL 1, WIND NE 1, BARO 1008.5. AIR TEMP. DRY 23.5, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	17.61	32.370	5.37							0	17.61	32.370	5.37	23.37	451	451	0.0000
10	16.78	32.440	5.35							10	16.78	32.440	5.35	23.62	428	427	0.0439
20	15.52	32.540	5.40							20	15.52	32.540	5.40	23.98	393	393	0.0850
30	15.37	32.580	5.63							30	15.37	32.580	5.63	24.04	387	388	0.1241
50	14.73	32.580	5.61							50	14.73	32.580	5.61	24.18	374	375	0.2004
74	13.78	32.640	5.63														
KOREA .GANGWON 854 , STATION 311-06 , 34-43.0. N, 125-19.4. E, AUG.12.1983, 07:20 KST, DEPTH 91 , COLOR 4, TRANS. 15.0,																	
WAVE 1, SWELL 1, WIND NE 1, BARO 1008. , AIR TEMP. DRY 21.5, WET , CLOUD. TYPE , AMT , WEATHER F ,																	
0	17.45	32.380	5.55							0	17.45	32.380	5.55	23.42	447	447	0.0000
10	15.92	32.500	5.53							10	15.92	32.500	5.53	23.86	404	404	0.0426
20	14.65	32.680	5.51							20	14.65	32.680	5.51	24.28	365	365	0.0811
30	13.56	32.740	5.63							30	13.56	32.740	5.63	24.55	339	339	0.1164
50	12.52	32.780	5.43							50	12.52	32.780	5.43	24.78	317	317	0.1821
75	12.08	32.730	5.33							75	12.08	32.730	5.33	24.83	312	314	0.2611
89	11.35	32.800	5.31														
KOREA .GANGWON 854 , STATION 311-07 , 34-43.0. N, 125-00.0. E, AUG.12.1983, 09:30 KST, DEPTH 90 , COLOR 5, TRANS. 15.0,																	
WAVE 1, SWELL 1, WIND NE 1, BARO 1007. , AIR TEMP. DRY 27.0, WET , CLOUD. TYPE AS, AMT 08, WEATHER C ,																	
0	25.98	31.480	5.21							0	25.98	31.480	5.21	20.41	735	735	0.0000
10	23.22	31.730	5.21							10	23.22	31.730	5.21	21.41	638	638	0.0687
20	18.41	32.730	5.53							20	18.41	32.730	5.53	23.45	444	444	0.1228
30	14.89	32.800	5.63							30	14.89	32.800	5.63	24.32	361	361	0.1631
50	9.95	32.800	5.63							50	9.95	32.800	5.63	25.26	271	272	0.2266

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	8.99	32.810	5.61							75	8.99	32.810	5.61	25.42	256	257	0.2928
86	8.95	32.810	5.63														
KOREA .GANGWON 854 , STATION 311-08 , 34-43.0. N, 124-47.9. E, AUG.12.1983, 11:00 KST. DEPTH 92 , COLOR 5, TRANS. 20.0,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1007. , AIR TEMP. DRY 28.0, WET , CLOUD. TYPE CI, AMT 06, WEATHER BC,																	
0	27.73	31.470	5.08							0	27.73	31.470	5.08	19.85	789	788	0.0000
10	24.69	31.780	5.13							10	24.69	31.780	5.13	21.02	676	676	0.0732
20	19.90	32.340	5.53							20	19.90	32.340	5.53	22.78	508	508	0.1325
30	11.64	32.740	5.83							30	11.64	32.740	5.83	24.92	304	304	0.1731
50	8.23	32.890	5.68							50	8.23	32.890	5.68	25.60	239	239	0.2276
75	8.15	32.860	5.83							75	8.15	32.860	5.83	25.59	240	241	0.2877
90	8.09	32.920	5.73														
KOREA .GANGWON 854 , STATION 311-09 , 34-43.0. N, 124-35.8. E, AUG.12.1983, 12:25 KST, DEPTH 92 , COLOR 5, TRANS. 20.0,																	
WAVE 1, SWELL 2, WIND NE 2, BARO 1005. , AIR TEMP. DRY 29.0, WET , CLOUD. TYPE AC, AMT 06, WEATHER BC,																	
0	27.96	31.380	4.63							0	27.96	31.380	4.63	19.71	802	802	0.0000
10	26.20	31.960	5.23							10	26.20	31.960	5.23	20.70	707	707	0.0754
20	20.71	32.570	5.73							20	20.71	32.570	5.73	22.74	511	512	0.1364
30	14.84	32.780	5.83							30	14.84	32.780	5.83	24.31	361	362	0.1802
50	8.24	32.890	5.63							50	8.24	32.890	5.63	25.60	239	239	0.2404
75	8.06	32.890	5.63							75	8.06	32.890	5.63	25.63	236	237	0.3001
90	8.06	32.880	5.73														
KOREA .GANGWON 854 . STATION 311-10 . 34-43.0. N. 124-23.4. E. AUG.12.1983. 13:55 KST. DEPTH 85 . COLOR 5. TRANS. 22.0.																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1004.5, AIR TEMP. DRY 29.0, WET , CLOUD. TYPE AC, AMT 06, WEATHER BC,																	
0	28.20	31.290	4.81							0	28.20	31.290	4.81	19.56	816	816	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	27.90	31.400	5.03							10	27.90	31.400	5.03	19.74	799	799	0.0807
20	21.52	32.220	5.63							20	21.52	32.220	5.63	22.26	558	558	0.1486
30	11.86	32.800	5.83							30	11.86	32.800	5.83	24.92	303	304	0.1918
50	8.36	32.990	5.51							50	8.36	32.990	5.51	25.66	233	234	0.2456
83	8.07	32.960	5.63							75	8.14	32.967	5.60	25.68	232	233	0.3040

10月(October)

KOREA .JEONBUK 855 . STATION 311-04 . 34-43.0. N, 125-43.9. E, OCT.13.1983, 18:05 KST, DEPTH 34. . COLOR 4, TRANS. 6.0,

WAVE 2. SWELL 2, WIND N 3, BARO 1020. . AIR TEMP. DRY 17.5. WET . CLOUD. TYPE AC. AMT 10, WEATHER C .

0	19.46	32.300	4.93							0	19.46	32.300	4.93	22.86	500	500	0.0000
10	19.46	32.350	5.21							10	19.46	32.350	5.21	22.90	496	496	0.0498
20	19.01	32.680	5.02							20	19.01	32.680	5.02	23.26	461	462	0.0977
32	18.41	32.880	4.97							30	18.51	32.846	4.97	23.52	437	436	0.1428

KOREA .JEONBUK 855 . STATION 311-05 . 34-43.0. N, 125-31.9. E. OCT.13.1983, 19:40 KST. DEPTH 75 , COLOR . TRANS. .

WAVE 2, SWELL 2. WIND N 3. BARO 1022. . AIR TEMP. DRY 17.2, WET , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	19.27	32.070	5.01							0	19.27	32.070	5.01	22.74	512	512	0.0000
10	19.21	32.070	5.06							10	19.21	32.070	5.06	22.75	511	511	0.0511
20	18.79	32.080	5.23							20	18.79	32.080	5.23	22.86	500	500	0.1017
30	18.48	32.610	5.23							30	18.48	32.610	5.23	23.34	454	454	0.1495
50	18.20	32.700	5.04							50	18.20	32.700	5.04	23.48	441	442	0.2392
72	17.81	32.730	4.86														

KOREA .JEONBUK 855 . STATION 311-06 . 34-43.0. N, 125-19.4. E, OCT.15.1983, 08:00 KST, DEPTH 90 . COLOR 2. TRANS. 13.0,

WAVE 1, SWELL 1. WIND NW 2, BARO 1021. , AIR TEMP. DRY 19.0, WET , CLOUD. TYPE AS, AMT 10, WEATHER R .

0	19.90	32.110	5.31							0	19.90	32.110	5.31	22.60	525	524	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	19.61	32.230	5.22							10	19.61	32.230	5.22	22.72	514	514	0.0519
20	18.25	32.320	5.24							20	18.25	32.320	5.24	23.18	470	470	0.1011
30	18.06	32.290	4.97							30	18.06	32.290	4.97	23.20	467	468	0.1481
50	18.05	32.390	4.92							50	18.05	32.390	4.92	23.28	460	461	0.2410
75	14.82	32.420	5.11							75	14.82	32.420	5.11	24.04	387	389	0.3474
86	11.51	32.820	4.71														

KOREA .JEONBUK 855 , STATION 311-07 , 34-43.0. N, 125-00.0. E, OCT.15.1983, 10:20 KST. DEPTH 90 , COLOR 3. TRANS. 13.0,
WAVE 1, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 19.0, WET , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	20.80	32.060	5.31							0	20.80	32.060	5.31	22.33	551	550	0.0000
10	20.90	32.140	5.01							10	20.90	32.140	5.01	22.37	547	547	0.0549
20	20.73	32.200	5.25							20	20.73	32.200	5.25	22.46	539	539	0.1093
30	20.41	32.310	5.21							30	20.41	32.310	5.21	22.62	523	523	0.1624
50	13.31	32.650	5.14							50	13.31	32.650	5.14	24.53	341	342	0.2490
75	10.57	32.890	4.61							75	10.57	32.890	4.61	25.23	275	276	0.3263
86	9.88	32.920	4.98														

KOREA .JEONBUK 855 , STATION 311-08 , 34-43.0. N, 124-47.9. E, OCT.15.1983, 12:15 KST, DEPTH 91 , COLOR 2, TRANS. 15.0,
WAVE 1, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 19.9, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,

0	20.90	32.110	5.34							0	20.90	32.110	5.34	22.34	550	549	0.0000
10	20.93	32.180	5.39							10	20.93	32.180	5.39	22.39	545	545	0.0547
20	20.63	32.260	5.31							20	20.63	32.260	5.31	22.53	532	532	0.1087
30	16.24	32.280	5.30							30	16.24	32.280	5.30	23.62	427	428	0.1567
50	10.50	32.910	5.10							50	10.50	32.910	5.10	25.25	272	273	0.2269
75	9.89	33.040	4.92							75	9.89	33.040	4.92	25.46	252	254	0.2928
86	9.20	33.120	4.63														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JEONBUK 855 , STATION 311-09 , 34-43.0. N, 124-35.8. E, OCT.15.1983. 13:55 KST, DEPTH 88 . COLOR 2, TRANS. 17.0,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 19.4, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	20.80	32.160	5.50							0	20.80	32.160	5.50	22.41	543	543	0.0000
10	20.92	32.230	5.45							10	20.92	32.230	5.45	22.43	541	541	0.0542
20	20.80	32.260	5.31							20	20.80	32.260	5.31	22.48	536	536	0.1082
30	14.68	32.440	5.13							30	14.68	32.440	5.13	24.09	383	384	0.1542
50	9.32	33.160	5.01							50	9.32	33.160	5.01	25.64	235	235	0.2162
75	9.32	33.230	4.81							75	9.32	33.230	4.81	25.70	230	231	0.2746
85	9.38	33.230	4.40														
KOREA ,JEONBUK 855 , STATION 311-10 , 34-43.0. N, 124-23.4. E. OCT.15.1983, 15:40 KST, DEPTH 81 , COLOR 2, TRANS. 15.0,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 20.2, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	20.93	32.200	5.46							0	20.93	32.200	5.46	22.40	544	544	0.0000
10	20.90	32.240	5.12							10	20.90	32.240	5.12	22.44	540	540	0.0542
20	20.85	32.260	5.36							20	20.85	32.260	5.36	22.47	537	538	0.1081
30	13.75	32.540	4.71							30	13.75	32.540	4.71	24.36	357	358	0.1530
50	9.71	33.400	5.11							50	9.71	33.400	5.11	25.77	223	224	0.2112
78	9.68	33.400	5.06							75	9.68	33.400	5.06	25.77	223	224	0.2672

12月(December)

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JEONBUK 855 , STATION 311-04 , 34-43.0. N, 125-43.9. E. DEC.21.1983, 10:15 KST. DEPTH 34 , COLOR 5, TRANS. 1.5,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1029. , AIR TEMP. DRY 6.2, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	9.56	32.260	6.10							0	9.56	32.260	6.10	24.90	305	305	0.0000
10	9.64	32.270	6.21							10	9.64	32.270	6.21	24.90	306	306	0.0305
20	9.80	32.320	6.20							20	9.80	32.320	6.20	24.91	304	304	0.0611
32	9.78	32.480	6.38							30	9.78	32.453	6.35	25.02	294	295	0.0911

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 311-05 . 34-43.0. N. 125-31.9. E. DEC.21.1983. 11:45 KST. DEPTH 76 . COLOR 5. TRANS. 3.0.																	
WAVE 1. SWELL 1. WIND NE 2. BARO 1030. , AIR TEMP. DRY 5.8, WET , CLOUD. TYPE , AMT 00. WEATHER B ,																	
0	10.55	32.520	6.29							0	10.55	32.520	6.29	24.94	302	301	0.0000
10	10.54	32.530	6.10							10	10.54	32.530	6.10	24.95	301	301	0.0301
20	10.58	32.570	6.10							20	10.58	32.570	6.10	24.98	298	298	0.0601
30	10.62	32.580	6.20							30	10.62	32.580	6.20	24.98	298	299	0.0900
50	10.48	32.490	6.19							50	10.48	32.490	6.19	24.93	303	303	0.1503
74	10.56	32.530	6.13														
KOREA .JEONBUK 855 , STATION 311-06 , 34-43.0. N, 125-19.4. E, DEC.21.1983. 13:25 KST, DEPTH 90. , COLOR 4, TRANS. 4.0,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1028. , AIR TEMP. DRY 8.7, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC,																	
0	10.60	32.510	6.28							0	10.60	32.510	6.28	24.93	303	303	0.0000
10	10.78	32.460	6.29							10	10.78	32.460	6.29	24.86	310	310	0.0306
20	10.87	32.450	6.18							20	10.87	32.450	6.18	24.83	312	312	0.0618
30	10.82	32.500	6.08							30	10.82	32.500	6.08	24.88	308	308	0.0928
50	10.71	32.570	6.00							50	10.71	32.570	6.00	24.95	301	301	0.1538
75	10.71	32.600	5.78							75	10.71	32.600	5.78	24.98	298	299	0.2290
88	10.75	32.610	6.00														
KOREA .JEONBUK 855 . STATION 311-07 . 34-43.0. N. 125-00.0. E, DEC.21.1983. 15:50 KST. DEPTH 90 . COLOR 4. TRANS. 5.0.																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1028. , AIR TEMP. DRY 8.1, WET , CLOUD. TYPE AC, AMT 06, WEATHER BC,																	
0	11.20	32.750	6.23							0	11.20	32.750	6.23	25.01	295	295	0.0000
10	10.85	32.750	6.18							10	10.85	32.750	6.18	25.07	290	289	0.0292
20	10.85	32.690	6.00							20	10.85	32.690	6.00	25.02	294	294	0.0585
30	10.86	32.670	6.08							30	10.86	32.670	6.08	25.00	296	296	0.0880
50	10.86	32.660	6.13							50	10.86	32.660	6.13	25.00	296	297	0.1474
75	10.77	32.760	6.08							75	10.77	32.760	6.08	25.09	287	289	0.2207
88	10.64	32.740	5.90														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 311-08 , 34-43.0. N. 124-47.9. E, DEC.21.1983, 19:30 KST, DEPTH 92 , COLOR 4, TRANS. 6.0.																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1026. , AIR TEMP. DRY 7.8, WET , CLOUD. TYPE AC, AMT 09, WEATHER C ,																	
0	11.10	32.730	6.38							0	11.10	32.730	6.38	25.01	295	295	0.0000
10	10.70	32.730	6.10							10	10.70	32.730	6.10	25.08	289	288	0.0292
20	10.75	32.690	6.08							20	10.75	32.690	6.08	25.04	292	292	0.0583
30	10.82	32.760	6.18							30	10.82	32.760	6.18	25.08	288	289	0.0874
50	10.85	32.760	5.98							50	10.85	32.760	5.98	25.08	289	289	0.1453
75	11.01	32.830	6.16							75	11.01	32.830	6.16	25.10	286	288	0.2175
90	11.20	32.910	5.75														
KOREA .JEONBUK 855 , STATION 311-09 , 34-43.0. N. 124-35.8. E, DEC.21.1983, 19:05 KST, DEPTH 87 , COLOR . TRANS. .																	
WAVE 2, SWELL 1. WIND NE 3. BARO 1025. , AIR TEMP. DRY 8.2. WET , CLOUD. TYPE AS. AMT 10, WEATHER R ,																	
0	11.05	32.790	6.40							0	11.05	32.790	6.40	25.06	290	290	0.0000
10	11.11	32.750	6.19							10	11.11	32.750	6.19	25.02	294	294	0.0292
20	11.10	32.740	6.09							20	11.10	32.740	6.09	25.02	294	295	0.0586
30	11.08	32.820	6.03							30	11.08	32.820	6.03	25.08	288	289	0.0876
50	11.29	32.820	5.88							50	11.29	32.820	5.88	25.04	292	293	0.1461
75	11.31	32.930	5.88							75	11.31	32.930	5.88	25.13	284	285	0.2184
85	11.18	32.900	5.66														
KOREA .JEONBUK 855 . STATION 311-10 . 34-43.0. N. 124-23.4. E. DEC.21.1983. 20:45 KST. DEPTH 84 . COLOR . TRANS. .																	
WAVE 2. SWELL 1. WIND NE 3. BARO 1025. . AIR TEMP. DRY 8.2. WET . CLOUD. TYPE AS. AMT 10. WEATHER R .																	
0	10.90	32.790	6.08							0	10.90	32.790	6.08	25.09	287	287	0.0000
10	11.02	32.760	6.08							10	11.02	32.760	6.08	25.05	292	292	0.0289
20	11.12	32.780	5.78							20	11.12	32.780	5.78	25.04	292	292	0.0582
30	11.10	32.840	6.00							30	11.10	32.840	6.00	25.09	287	287	0.0872
50	11.19	32.900	5.89							50	11.19	32.900	5.89	25.12	284	285	0.1445
82	11.10	32.940	6.04							75	11.11	32.931	6.00	25.16	281	282	0.2155

312線 海洋観測 成績

Oceanographic Data. Line 312

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2月(February)

KOREA .JEONBUK 855 , STATION 312-02 . 33-56.5. N, 126-06.0. E. FEB.28.1983. 06:35 KST. DEPTH 86 . COLOR . TRANS. .

WAVE 2. SWELL 1, WIND NE 2, BARO 1032. , AIR TEMP. DRY 5.5. WET , CLOUD. TYPE AC, AMT 06, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.91	33.060	6.32							0	6.91	33.060	6.32	25.72	208	208	0.0000
10	7.15	33.060	6.43							10	7.15	33.060	6.43	25.69	211	211	0.0210
20	7.21	32.950	6.30							20	7.21	32.950	6.30	25.79	220	220	0.0426
30	7.01	32.920	6.33							30	7.01	32.920	6.33	25.80	220	220	0.0647
50	7.01	32.900	6.30							50	7.01	32.900	6.30	25.78	222	222	0.1090
81	7.03	32.880	6.11							75	7.02	32.883	6.14	25.77	223	224	0.1649

KOREA .JEONBUK 855 . STATION 312-03 . 33-59.8. N, 126-54.0. E. FEB.28.1983. 04:50 KST. DEPTH 73 , COLOR , TRANS. ,

WAVE 2, SWELL 1, WIND NE 2, BARO 1032. , AIR TEMP. DRY 5.5, WET , CLOUD. TYPE AC, AMT 03, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.84	32.920	6.32							0	6.84	32.920	6.32	25.82	218	218	0.0000
10	6.52	32.920	6.56							10	6.52	32.920	6.56	25.86	214	214	0.0216
20	6.35	32.930	6.57							20	6.35	32.930	6.57	25.89	211	211	0.0429
30	6.21	32.930	6.44							30	6.21	32.930	6.44	25.91	209	210	0.0639
50	6.23	32.940	6.51							50	6.23	32.940	6.51	25.92	209	209	0.1059
68	6.13	32.940	6.49														

KOREA .JEONBUK 855 , STATION 312-04 , 34-01.3. N, 125-42.0. E, FEB.28.1983, 03:10 KST. DEPTH 84 , COLOR , TRANS. .

WAVE 2, SWELL 1, WIND NE 2, BARO 1033. , AIR TEMP. DRY 5.8, WET , CLOUD. TYPE CI, AMT 02, WEATHER B .

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	6.99	32.920	6.41							0	6.99	32.920	6.41	25.80	220	220	0.0000
10	7.22	32.940	6.42							10	7.22	32.940	6.42	25.78	221	221	0.0220

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	7.35	32.940	6.40							20	7.35	32.940	6.40	25.77	223	223	0.0443
30	7.45	32.990	6.41							30	7.45	32.990	6.41	25.79	221	221	0.0665
50	7.35	33.030	6.66							50	7.35	33.030	6.66	25.84	216	217	0.1104
79	7.53	33.060	6.46							75	7.50	33.055	6.48	25.84	216	217	0.1648
KOREA .JEONBUK 855 , STATION 312-05 , 34-02.6. N, 125-30.0. E, FEB.28.1983, 01:20 KST, DEPTH 95 , COLOR , TRANS. ,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1033. , AIR TEMP. DRY 6.5, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	7.01	32.850	6.31							0	7.01	32.850	6.31	25.74	225	225	0.0000
10	7.28	32.880	6.20							10	7.28	32.880	6.20	25.73	227	226	0.0226
20	7.48	32.920	6.13							20	7.48	32.920	6.13	25.73	226	226	0.0453
30	7.58	32.920	6.51							30	7.58	32.920	6.51	25.72	228	228	0.0680
50	7.65	33.040	6.40							50	7.65	33.040	6.40	25.80	220	220	0.1129
75	7.83	33.060	6.41							75	7.83	33.060	6.41	25.79	221	221	0.1682
90	7.80	33.080	6.43														
KOREA ,JEONBUK 855 , STATION 312-06 , 34-04.1. N, 125-18.0. E, FEB.27.1983, 23:35 KST, DEPTH 102 , COLOR , TRANS. ,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1033. , AIR TEMP. DRY 6.4, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	8.10	32.920	6.33							0	8.10	32.920	6.33	25.64	235	234	0.0000
10	7.78	32.920	6.24							10	7.78	32.920	6.24	25.69	230	230	0.0232
20	7.71	32.940	6.46							20	7.71	32.940	6.46	25.72	228	228	0.0462
30	7.78	33.010	6.29							30	7.78	33.010	6.29	25.76	224	224	0.0688
50	7.87	33.030	6.19							50	7.87	33.030	6.19	25.76	223	224	0.1137
75	7.81	33.050	6.21							75	7.81	33.050	6.21	25.79	221	222	0.1695
97	7.87	33.070	6.32														
KOREA .JEONBUK 855 . STATION 312-07 , 34-05.5. N, 125-00.0. E, FEB.27.1983. 21:05 KST. DEPTH 91 . COLOR , TRANS. .																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1033.5, AIR TEMP. DRY 8.5, WET , CLOUD. TYPE CI, AMT 06, WEATHER BC,																	
0	7.90	32.880	6.27							0	7.90	32.880	6.27	25.64	235	235	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	7.60	32.850	6.24							10	7.60	32.850	6.24	25.66	233	233	0.0234
20	7.63	32.850	6.21							20	7.63	32.850	6.21	25.66	233	233	0.0467
30	7.61	32.970	6.28							30	7.61	32.970	6.28	25.75	224	224	0.0697
50	7.60	33.000	6.43							50	7.60	33.000	6.43	25.78	222	222	0.1145
75	7.59	33.050	6.26							75	7.59	33.050	6.26	25.82	218	219	0.1697
86	7.64	33.080	6.38														

KOREA ,JEONBUK 855 , STATION 312-08 , 34-05.5. N, 124-48.0. E, FEB.27.1983, 19:25 KST, DEPTH 93 , COLOR , TRANS. ,
WAVE 2, SWELL 1, WIND NE 3, BARO 1034. , AIR TEMP. DRY 6.8, WET , CLOUD. TYPE AC, AMT 08, WEATHER C ,

0	8.00	32.880	6.20							0	8.00	32.880	6.20	25.63	236	236	0.0000
10	7.61	32.900	6.21							10	7.61	32.900	6.21	25.70	229	229	0.0233
20	7.65	32.900	6.32							20	7.65	32.900	6.32	25.69	230	230	0.0463
30	7.63	32.950	6.03							30	7.63	32.950	6.03	25.74	226	226	0.0691
50	7.67	32.950	6.24							50	7.67	32.950	6.24	25.73	227	227	0.1146
75	7.64	32.950	6.39							75	7.64	32.950	6.39	25.73	226	227	0.1714
88	7.58	32.950	6.13														

KOREA .JEONBUK 855 . STATION 312-09 . 34-05.5. N. 124-36.0. E. FEB.27.1983. 17:40 KST. DEPTH 86 , COLOR 5. TRANS. 3.0.
WAVE 2, SWELL 1, WIND NE 3, BARO 1034. , AIR TEMP. DRY 8.2, WET , CLOUD. TYPE AC, AMT 01, WEATHER B ,

0	7.99	32.840	6.20							0	7.99	32.840	6.20	25.60	239	239	0.0000
10	8.07	32.860	6.24							10	8.07	32.860	6.24	25.60	239	239	0.0239
20	8.00	32.880	6.22							20	8.00	32.880	6.22	25.63	236	236	0.0477
30	8.00	32.880	6.01							30	8.00	32.880	6.01	25.63	236	236	0.0714
50	8.14	32.900	6.29							50	8.14	32.900	6.29	25.62	237	237	0.1188
81	8.08	32.950	6.14							75	8.09	32.940	6.16	25.66	233	234	0.1779

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA .JEONBUK 855 . STATION 312-10 . 34-05.5. N. 124-24.0. E. FEB.27.1983. 10:10 KST. DEPTH 83 . COLOR 4. TRANS. 6.0.

WAVE 2. SWELL 1. WIND NE 3. BARO 1034.5. AIR TEMP. DRY 8.6. WET . CLOUD. TYPE AC. AMT 01. WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	7.97	32.880	6.07							0	7.97	32.880	6.07	25.63	236	236	0.0000
10	8.01	32.880	6.31							10	8.01	32.880	6.31	25.63	236	236	0.0236
20	8.00	32.920	6.26							20	8.00	32.920	6.26	25.66	233	233	0.0471
30	8.02	32.950	6.14							30	8.02	32.950	6.14	25.68	231	232	0.0704
50	8.61	33.060	6.01							50	8.61	33.060	6.01	25.68	232	232	0.1169
78	8.90	33.190	5.99							75	8.86	33.176	5.99	25.73	227	228	0.1745

4月(April)

KOREA .JEONBUK 855 . STATION 312-02 . 33-58.5. N. 126-06.0. E. APR.18.1983. 01:20 KST. DEPTH 86 , COLOR . TRANS. .

WAVE 1. SWELL 1. WIND SE 2. BARO 1026. . AIR TEMP. DRY 10.6. WET , CLOUD. TYPE , AMT 00. WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	11.24	33.710	6.79							0	11.24	33.710	6.79	25.74	225	225	0.0000
10	11.19	33.760	6.71							10	11.19	33.760	6.71	25.79	221	221	0.0223
20	11.10	33.800	6.53							20	11.10	33.800	6.53	25.84	216	216	0.0442
30	11.29	33.830	6.29							30	11.29	33.830	6.29	25.83	217	218	0.0659
50	11.20	33.890	6.36							50	11.20	33.890	6.36	25.89	211	212	0.1090
81	11.35	33.900	6.33							75	11.32	33.898	6.33	25.87	213	214	0.1624

KOREA .JEONBUK 855 . STATION 312-03 . 33-59.8. N. 126-54.0. E. APR.17.1983. 23:40 KST. DEPTH 73 . COLOR . TRANS. .

WAVE 1, SWELL 1, WIND SE 2, BARO 1026. , AIR TEMP. DRY 11.8, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	12.02	33.590	6.46							0	12.02	33.590	6.46	25.51	248	248	0.0000
10	11.79	33.640	6.36							10	11.79	33.640	6.36	25.59	240	240	0.0244
20	11.52	33.690	6.01							20	11.52	33.690	6.01	25.68	232	232	0.0480
30	11.69	33.680	6.03							30	11.69	33.680	6.03	25.64	235	236	0.0714
50	11.75	33.690	5.93							50	11.75	33.690	5.93	25.63	236	236	0.1188
68	11.60	33.710	5.52														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 312-04 . 34-01.3. N, 125-42.0. E. APR.17.1983. 22:05 KST. DEPTH 84. . COLOR . TRANS. .																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1026. , AIR TEMP. DRY 12.1, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	12.04	33.560	6.61							0	12.04	33.560	6.61	25.48	250	250	0.0000
10	11.92	33.600	6.53							10	11.92	33.600	6.53	25.53	245	245	0.0248
20	11.46	33.640	6.21							20	11.46	33.640	6.21	25.65	234	234	0.0488
30	11.46	33.670	5.88							30	11.46	33.670	5.88	25.67	232	232	0.0722
50	11.11	33.690	5.89							50	11.11	33.690	5.89	25.75	225	225	0.1181
79	11.06	33.710	5.90							75	11.06	33.707	5.89	25.77	222	224	0.1743
KOREA ,JEONBUK 855 , STATION 312-05 , 34-02.6. N, 125-30.0. E, APR.17.1983, 20:25 KST, DEPTH 91. , COLOR , TRANS. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1026. , AIR TEMP. DRY 13.2, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	12.50	33.650	6.31							0	12.50	33.650	6.31	25.46	252	252	0.0000
10	11.57	33.660	5.88							10	11.57	33.660	5.88	25.64	235	235	0.0243
20	11.50	33.640	5.91							20	11.50	33.640	5.91	25.64	235	235	0.0479
30	10.95	33.640	6.01							30	10.95	33.640	6.01	25.74	225	226	0.0710
50	10.45	33.640	6.01							50	10.45	33.640	6.01	25.83	217	218	0.1154
75	10.38	33.700	6.13							75	10.38	33.700	6.13	25.89	212	213	0.1694
86	10.30	33.720	5.86														
KOREA .JEONBUK 855 , STATION 312-06 , 34-04.1. N, 125-18.0. E, APR.17.1983, 18:45 KST, DEPTH 103 , COLOR 4, TRANS. 6.0,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1026. , AIR TEMP. DRY 13.7, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	12.50	33.730	6.52							0	12.50	33.730	6.52	25.52	246	246	0.0000
10	11.31	33.690	6.13							10	11.31	33.690	6.13	25.72	228	228	0.0237
20	11.08	33.710	5.81							20	11.08	33.710	5.81	25.77	223	223	0.0463
30	10.96	33.700	5.93							30	10.96	33.700	5.93	25.79	221	222	0.0685
50	10.72	33.700	5.99							50	10.72	33.700	5.99	25.83	217	218	0.1126

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	10.47	33.720	6.43							75	10.47	33.720	6.43	25.89	212	213	0.1665
98	10.47	33.770	6.09														
KOREA .JEONBUK 855 , STATION 312-07 , 34-05.5. N, 125-00.0. E, APR.17.1983, 16:30 KST, DEPTH 91 . COLOR 4, TRANS. 5.0.																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1026. , AIR TEMP. DRY 13.9, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	11.60	33.540	6.86							0	11.60	33.540	6.86	25.55	244	244	0.0000
10	10.35	33.590	6.44							10	10.35	33.590	6.44	25.81	219	219	0.0231
20	10.32	33.640	5.88							20	10.32	33.640	5.88	25.85	215	215	0.0449
30	10.26	33.730	5.83							30	10.26	33.730	5.83	25.93	207	208	0.0661
50	10.18	33.710	5.96							50	10.18	33.710	5.96	25.93	208	208	0.1078
75	10.29	33.780	5.72							75	10.29	33.780	5.72	25.97	204	205	0.1596
86	10.25	33.780	5.51														
KOREA .JEONBUK 855 , STATION 312-08 . 34-05.5. N. 124-48.0. E, APR.17.1983. 14:55 KST. DEPTH 92 . COLOR 4, TRANS. 7.0,																	
WAVE 1. SWELL 1, WIND SE 1, BARO 1027. , AIR TEMP. DRY 14.1, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	10.20	33.680	7.21							0	10.20	33.680	7.21	25.90	210	210	0.0000
10	10.16	33.640	7.06							10	10.16	33.640	7.06	25.88	212	212	0.0211
20	9.45	33.630	6.18							20	9.45	33.630	6.18	25.99	202	202	0.0419
30	9.41	33.600	6.29							30	9.41	33.600	6.29	25.97	203	204	0.0622
50	8.11	33.690	6.13							50	8.11	33.690	6.13	26.25	178	178	0.1005
75	8.65	33.730	6.02							75	8.65	33.730	6.02	26.20	182	183	0.1458
87	8.94	33.690	6.22														
KOREA .JEONBUK 855 , STATION 312-09 , 34-05.5. N, 124-36.0. E, APR.17.1983, 13:15 KST, DEPTH 87 , COLOR 4, TRANS. 6.0.																	
WAVE . SWELL 1, WIND E 1, BARO 1027. , AIR TEMP. DRY 13.0, WET , CLOUD. TYPE , AMT 00, WEATHER B ,																	
0	9.37	33.390	6.91							0	9.37	33.390	6.91	25.82	218	218	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	8.93	33.440	7.22							10	8.93	33.440	7.22	25.92	208	208	0.0213
20	7.53	33.500	6.26							20	7.53	33.500	6.26	26.18	184	184	0.0409
30	7.68	33.530	6.11							30	7.68	33.530	6.11	26.18	184	184	0.0594
50	7.91	33.500	5.91							50	7.91	33.500	5.91	26.13	189	189	0.0968
82	8.35	33.580	5.84							75	8.25	33.562	5.85	26.12	189	190	0.1443

KOREA .JEONBUK 855 . STATION 312-10 . 34-05.5. N, 124-24.0. E, APR.17.1983, 11:40 KST, DEPTH 80 , COLOR 3. TRANS. 9.0.
WAVE . SWELL 1. WIND E 1. BARO 1026. . AIR TEMP. DRY 9.2. WET . CLOUD. TYPE . AMT 00, WEATHER B .

0	8.81	33.380	7.02							0	8.81	33.380	7.02	25.90	211	210	0.0000
10	8.68	33.340	7.01							10	8.68	33.340	7.01	25.89	212	212	0.0211
20	8.62	33.360	7.11							20	8.62	33.360	7.11	25.91	209	209	0.0422
30	8.31	33.370	6.68							30	8.31	33.370	6.68	25.97	204	204	0.0630
50	7.62	33.450	6.31							50	7.62	33.450	6.31	26.13	189	189	0.1024
75	7.71	33.580	6.01							75	7.71	33.580	6.01	26.22	180	181	0.1488

6 月(June)

KOREA .JEONBUK 855 . STATION 312-02 . 33-58.5. N. 126-06.0. E. JUN.16.1983, 12:15 KST. DEPTH 90 . COLOR 3. TRANS. 15.0,
WAVE 1. SWELL 1. WIND SE 2. BARO 1012.5, AIR TEMP. DRY 18.2, WET . CLOUD., TYPE . AMT . WEATHER F ,

0	18.63	33.230	5.81							0	18.63	33.230	5.81	23.78	412	412	0.0000
10	16.83	33.200	5.83							10	16.83	33.200	5.83	24.19	373	373	0.0393
20	15.88	33.380	5.71							20	15.88	33.380	5.71	24.55	339	340	0.0749
30	14.14	33.460	6.09							30	14.14	33.460	6.09	24.98	296	298	0.1069
50	11.65	33.520	6.12							50	11.65	33.520	6.12	25.52	246	247	0.1615
86	11.61	33.620	6.62							75	11.62	33.589	6.46	25.56	241	241	0.2228

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 312-03 . 33-59.8. N. 125-54.[illegible]. E. JUN.18.1983. 10:35 KST. DEPTH 73 . COLOR 2. TRANS. 17.0,																	
WAVE 1. SWELL 1. WIND S 1. BARO 1011. . AIR TEMP. DRY 18.0. WET . CLOUD. TYPE , AMT , WEATHER F .																	
0	17.90	33.190	5.81							0	17.90	33.190	5.81	23.93	398	398	0.0000
10	16.32	33.240	5.79							10	16.32	33.240	5.79	24.34	359	359	0.0378
20	14.22	33.310	5.63							20	14.22	33.310	5.63	24.85	310	310	0.0714
30	10.65	33.340	5.47							30	10.65	33.340	5.47	25.56	243	243	0.0991
50	10.38	33.370	5.88							50	10.38	33.370	5.88	25.63	236	237	0.1471
70	10.41	33.360	5.53														
KOREA .JEONBUK 855 . STATION 312-04 . 34-01.3. N. 125-42.0. E. JUN.18.1983. 09:00 KST. DEPTH 84 . COLOR 3. TRANS. 17.0.																	
WAVE 1, SWELL 1. WIND S 1. BARO 1011.6, AIR TEMP. DRY 17.0. WET . CLOUD. TYPE . AMT . WEATHER F .																	
0	18.54	33.020	5.64							0	18.54	33.020	5.64	23.64	426	425	0.0000
10	17.44	33.100	5.81							10	17.44	33.100	5.81	23.97	394	394	0.0410
20	14.64	33.300	5.91							20	14.64	33.300	5.91	24.76	319	320	0.0767
30	14.00	33.330	5.62							30	14.00	33.330	5.62	24.91	304	305	0.1080
50	10.87	33.370	5.52							50	10.87	33.370	5.52	25.55	244	245	0.1630
81	10.46	33.380	5.59							75	10.53	33.378	5.57	25.61	238	239	0.2236
KOREA .JEONBUK 855 . STATION 312-05 , 34-02.6. N. 125-30.0. E. JUN.18.1983. 07:15 KST. DEPTH 92 . COLOR 3. TRANS. 13.0.																	
WAVE 1, SWELL 1. WIND SW 1. BARO 1012. , AIR TEMP. DRY 18.0, WET . CLOUD. TYPE CI. AMT 01. WEATHER B .																	
0	18.70	33.100	5.80							0	18.70	33.100	5.80	23.66	423	423	0.0000
10	15.25	33.110	5.94							10	15.25	33.110	5.94	24.48	346	346	0.0384
20	12.09	33.300	5.73							20	12.09	33.300	5.73	25.27	270	271	0.0693
30	10.97	33.370	5.78							30	10.97	33.370	5.78	25.53	246	246	0.0952
50	10.67	33.440	6.06							50	10.67	33.440	6.06	25.64	236	236	0.1435
75	10.56	33.500	6.02							75	10.56	33.500	6.02	25.70	229	231	0.2020
90	10.01	33.570	5.38														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 . STATION 312-06 , 34-04.1. N, 125-18.0. E, JUN.18.1983. 05:35 KST, DEPTH 100 . COLOR . TRANS. .																	
WAVE 1. SWELL 1. WIND SW 1, BARO 1011.2. AIR TEMP. DRY 17.0. WET . CLOUD. TYPE CI. AMT 02. WEATHER B .																	
0	16.00	32.930	5.92							0	16.00	32.930	5.92	24.17	375	374	0.0000
10	15.30	32.960	5.83							10	15.30	32.960	5.83	24.35	358	358	0.0366
20	14.65	32.970	5.93							20	14.65	32.970	5.93	24.50	344	344	0.0717
30	13.68	33.040	5.86							30	13.68	33.040	5.86	24.76	319	320	0.1050
50	12.04	33.040	5.72							50	12.04	33.040	5.72	25.08	289	290	0.1660
75	11.19	33.120	5.76							75	11.19	33.120	5.76	25.29	268	269	0.2360
96	9.10	33.180	5.97														
KOREA .JEONBUK 855 . STATION 312-07 . 34-05.5. N. 125-00.0. E. JUN.18.1983. 03:10 KST, DEPTH 94 . COLOR . TRANS. .																	
WAVE 1. SWELL 1. WIND S 1, BARO 1011. , AIR TEMP. DRY 19.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	18.80	32.770	5.65							0	18.80	32.770	5.65	23.39	450	450	0.0000
10	18.23	32.770	5.61							10	18.23	32.770	5.61	23.53	436	436	0.0443
20	14.16	32.940	6.04							20	14.16	32.940	6.04	24.58	336	336	0.0830
30	8.98	33.050	6.09							30	8.98	33.050	6.09	25.61	238	238	0.1117
50	8.11	33.090	5.84							50	8.11	33.090	5.84	25.78	222	223	0.1579
75	8.08	33.160	5.61							75	8.08	33.160	5.61	25.84	217	217	0.2131
91	8.16	33.160	6.03														
KOREA .JEONBUK 855 . STATION 312-08 . 34-05.5. N. 124-48.0. E, JUN.18.1983. 01:30 KST. DEPTH 91 . COLOR . TRANS. .																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1011. . AIR TEMP. DRY 19.8, WET , CLOUD. TYPE CI. AMT 01, WEATHER B .																	
0	19.00	32.790	5.66							0	19.00	32.790	5.66	23.35	453	453	0.0000
10	17.63	32.830	5.69							10	17.63	32.830	5.69	23.72	418	418	0.0436
20	16.40	32.870	6.13							20	16.40	32.870	6.13	24.04	388	388	0.0839
30	12.33	32.950	6.27							30	12.33	32.950	6.27	24.95	301	301	0.1184

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	8.64	33.080	5.93							50	8.64	33.080	5.93	25.69	231	231	0.1717
75	8.02	33.100	5.53							75	8.02	33.100	5.53	25.80	220	221	0.2284
87	8.04	33.140	5.83														

KOREA .JEONBUK 855 , STATION 312-09 . 34-05.5. N, 124-36.0. E, JUN.17.1983, 23:50 KST, DEPTH 88 . COLOR , TRANS. .
WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 20.3, WET , CLOUD. TYPE CI. AMT 02, WEATHER B ,

0	19.96	32.890	5.81							0	19.96	32.890	5.81	23.18	469	469	0.0000
10	16.22	32.840	5.61							10	16.22	32.840	5.61	23.56	431	431	0.0450
20	16.77	32.890	6.01							20	16.77	32.890	6.01	23.97	394	395	0.0863
30	10.67	33.020	6.44							30	10.67	33.020	6.44	25.31	267	267	0.1195
50	8.03	33.160	5.51							50	8.03	33.160	5.51	25.84	216	216	0.1679
85	8.12	33.190	5.29							75	8.09	33.181	5.35	25.85	215	216	0.2221

KOREA .JEONBUK 855 , STATION 312-10 . 34-05.5. N, 124-24.0. E, JUN.17.1983, 22:15 KST, DEPTH 80 , COLOR . TRANS. .
WAVE 1, SWELL 1, WIND E 1, BARO 1012. , AIR TEMP. DRY 20.8, WET , CLOUD. TYPE , AMT 00, WEATHER B ,

0	19.10	32.700	5.84							0	19.10	32.700	5.84	23.26	462	462	0.0000
10	18.59	32.680	5.62							10	18.59	32.680	5.62	23.37	451	451	0.0457
20	17.34	32.660	5.62							20	17.34	32.660	5.62	23.66	424	424	0.0895
30	11.25	33.090	6.53							30	11.25	33.090	6.53	25.26	271	272	0.1243
50	8.06	33.100	5.48							50	8.06	33.100	5.48	25.79	221	221	0.1737
75	8.00	33.140	5.31							75	8.00	33.140	5.31	25.83	217	218	0.2287

8月(August)

KOREA .GANGWON 854 . STATION 312-02 . 33-58.5. N, 126-06.0. E. AUG.19.1983. 02:00 KST. DEPTH 84 . COLOR . TRANS. .
WAVE 2, SWELL 2, WIND NE 2, BARO 1002. , AIR TEMP. DRY 26.5, WET . CLOUD. TYPE AS, AMT 09, WEATHER C ,

0	25.92	31.510	4.79							0	25.92	31.510	4.79	20.45	731	731	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	18.37	32.000	*****							10	18.37	32.000	5.06	22.91	496	496	0.0613
20	16.80	32.610	5.33							20	16.80	32.610	5.33	23.75	416	416	0.1070
30	12.23	32.910	5.13							30	12.23	32.910	5.13	24.94	302	302	0.1429
50	11.45	33.250	5.03							50	11.45	33.250	5.03	25.35	263	264	0.1996
75	11.47	33.330	5.03							75	11.47	33.330	5.03	25.41	257	259	0.2650

KOREA .GANGWON 854 . STATION 312-03 . 33-59.6. N, 126-54.0. E. AUG.19.1983. 00:35 KST. DEPTH 72 . COLOR . TRANS.
WAVE 2. SWELL 2. WIND NE 2. BARO 1002. , AIR TEMP. DRY 25.2, WET , CLOUD. TYPE AS, AMT 09, WEATHER C .

0	24.26	31.610	5.08							0	24.26	31.610	5.08	21.02	676	676	0.0000
10	19.03	32.290	5.35							10	19.03	32.290	5.35	22.96	490	490	0.0583
20	14.01	32.800	5.43							20	14.01	32.800	5.43	24.50	343	344	0.1000
30	13.62	32.850	5.28							30	13.62	32.850	5.28	24.62	332	333	0.1339
50	13.35	32.860	*****							50	13.35	32.860	5.33	24.68	326	327	0.1999
70	10.96	33.010	5.38														

KOREA .GANGWON 854 , STATION 312-04 , 34-01.3. N, 125-42.0. E, AUG.18.1983, 23:10 KST, DEPTH 83 , COLOR , TRANS.
WAVE 2, SWELL 2, WIND E 2, BARO 1002. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER C .

0	20.69	32.060	5.33							0	20.69	32.060	5.33	22.36	548	548	0.0000
10	14.60	32.720	5.11							10	14.60	32.720	5.11	24.32	361	361	0.0454
20	14.19	32.800	5.25							20	14.19	32.800	5.25	24.47	347	347	0.0809
30	13.83	32.820	5.35							30	13.83	32.820	5.35	24.56	338	339	0.1152
50	12.86	32.870	5.23							50	12.86	32.870	5.23	24.79	316	317	0.1809
70	10.49	33.050	5.33														

KOREA .GANGWON 854 , STATION 312-05 , 34-02.6. N, 125-30.0. E, AUG.18.1983, 21:45 KST, DEPTH 90 , COLOR , TRANS.
WAVE 2, SWELL 2, WIND E 2, BARO 1001. , AIR TEMP. DRY 25.5, WET , CLOUD. TYPE AS, AMT 09, WEATHER C .

0	20.90	32.000	5.11							0	20.90	32.000	5.11	22.26	558	557	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	16.38	32.610	5.28							10	16.38	32.610	5.28	23.84	406	406	0.0482
20	15.89	32.690	5.33							20	15.89	32.690	5.33	24.01	390	390	0.0881
30	14.67	32.730	5.23							30	14.67	32.730	5.23	24.31	362	362	0.1257
50	12.76	32.900	5.45							50	12.76	32.900	5.45	24.83	312	313	0.1933
70	10.11	33.060	5.41							75	10.10	33.065	5.30	25.44	254	255	0.2645
88	10.10	33.080	5.03														

KOREA .GANGWON 854 . STATION 312-06 . 34-04.1. N. 125-18.0. E. AUG.18.1983. 20:20 KST. DEPTH 103 , COLOR , TRANS. .

WAVE 2. SWELL 2. WIND E 2. BARO 1001. , AIR TEMP. DRY 27.0. WET . CLOUD. TYPE AS, AMT 09, WEATHER C ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	25.69	31.800	5.03							0	25.69	31.800	5.03	20.74	703	703	0.0000
10	23.18	31.880	5.18							10	23.18	31.880	5.18	21.54	627	627	0.0665
20	21.02	32.600	5.53							20	21.02	32.600	5.53	22.68	517	517	0.1237
30	17.71	32.700	5.51							30	17.71	32.700	5.51	23.60	429	430	0.1712
50	13.66	32.860	5.33							50	13.66	32.860	5.33	24.62	332	333	0.2476
75	10.21	33.140	5.28							75	10.21	33.140	5.28	25.48	250	251	0.3207
100	10.08	33.120	5.23							100	10.08	33.120	5.23	25.49	250	251	0.3837

KOREA .GANGWON 854 . STATION 312-07 . 34-05.5. N, 125-00.0. E, AUG.18.1983, 18:15 KST, DEPTH 91 . COLOR 5, TRANS. 16.0.

WAVE 2. SWELL 2. WIND NW 2. BARO 1001. . AIR TEMP. DRY 28.5, WET , CLOUD. TYPE AS. AMT 09. WEATHER C .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	25.83	31.630	5.13							0	25.83	31.630	5.13	20.57	720	719	0.0000
10	22.95	31.790	5.25							10	22.95	31.790	5.25	21.54	627	627	0.0673
20	18.71	32.380	5.39							20	18.71	32.380	5.39	23.11	476	476	0.1225
30	13.81	32.770	5.33							30	13.81	32.770	5.33	24.52	342	342	0.1635
50	11.27	32.860	5.33							50	11.27	32.860	5.33	25.08	289	289	0.2267
75	10.23	33.010	5.48							75	10.23	33.010	5.48	25.38	260	261	0.2957
89	10.17	33.040	5.23														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .GANGWON 854 . STATION 312-08 . 34-05.5. N. 124-48.0. E. AUG.18.1983. 16:50 KST. DEPTH 91 . COLOR 5. TRANS. 17.0.																	
WAVE 2. SWELL 2. WIND NW 2. BARO 1001. . AIR TEMP. DRY 28.5. WET , CLOUD. TYPE AC. AMT 09. WEATHER C ,																	
0	25.91	31.630	5.02							0	25.91	31.630	5.02	20.54	722	722	0.0000
10	24.06	31.630	5.23							10	24.06	31.630	5.23	21.10	669	669	0.0695
20	17.33	32.370	5.53							20	17.33	32.370	5.53	23.44	445	445	0.1253
30	13.86	32.770	5.61							30	13.86	32.770	5.61	24.51	343	343	0.1648
50	11.59	33.020	5.43							50	11.59	33.020	5.43	25.14	282	283	0.2275
75	10.82	33.050	5.23							75	10.82	33.050	5.23	25.31	267	266	0.2965
89	10.39	33.130	5.38														
KOREA .GANGWON 854 , STATION 312-09 , 34-05.5. N. 124-36.0. E, AUG.18.1983, 15:25 KST. DEPTH 85 , COLOR 5. TRANS. 18.0,																	
WAVE 2, SWELL 2, WIND N 2, BARO 1001. , AIR TEMP. DRY 28.5. WET . CLOUD. TYPE AC, AMT 09, WEATHER C ,																	
0	25.47	31.360	5.33							0	25.47	31.360	5.33	20.47	729	728	0.0000
10	21.92	31.730	5.38							10	21.92	31.730	5.38	21.78	604	604	0.0666
20	17.44	32.580	5.53							20	17.44	32.580	5.53	23.57	432	432	0.1184
30	11.71	32.870	5.50							30	11.71	32.870	5.50	25.01	295	296	0.1549
50	10.70	33.030	5.53							50	10.70	33.030	5.53	25.31	266	267	0.2113
83	10.22	33.110	5.61							75	10.33	33.090	5.59	25.42	256	257	0.2769
KOREA .GANGWON 854 . STATION 312-10 , 34-05.5. N, 124-24.0. E. AUG.18.1983, 14:00 KST. DEPTH 80 . COLOR 5. TRANS. 23.0.																	
WAVE 2. SWELL 2. WIND N 2. BARO 1001. . AIR TEMP. DRY 29.5, WET , CLOUD. TYPE AS. AMT 08, WEATHER C .																	
0	26.08	31.570	5.13							0	26.08	31.570	5.13	20.44	731	731	0.0000
10	22.32	31.900	5.53							10	22.32	31.900	5.53	21.80	602	602	0.0667
20	15.17	32.580	5.63							20	15.17	32.580	5.63	24.09	383	383	0.1159
30	13.02	33.030	5.53							30	13.02	33.030	5.53	24.88	307	308	0.1505
50	10.96	33.020	5.43							50	10.96	33.020	5.43	25.26	271	272	0.2086
78	11.26	33.140	5.40							75	11.22	33.127	5.40	25.29	268	269	0.2765

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10月(October)

KOREA .JEONBUK 855 , STATION 312-02 . 33-58.5. N, 126-06.0. E. OCT.16.1983. 10:50 KST. DEPTH 86 . COLOR 3. TRANS. 11.0.
WAVE 2. SWELL 1. WIND NE 3. BARO 1019. . AIR TEMP. DRY 19.0. WET . CLOUD. TYPE AC. AMT 05, WEATHER BC,

0	21.26	32.790	5.20							0	21.26	32.790	5.20	22.76	510	509	0.0000
10	20.79	32.680	5.21							10	20.79	32.680	5.21	22.80	505	505	0.0507
20	20.70	32.720	4.96							20	20.70	32.720	4.96	22.86	500	501	0.1011
30	20.27	32.760	4.91							30	20.27	32.760	4.91	23.00	487	487	0.1505
50	13.77	33.070	4.80							50	13.77	33.070	4.80	24.76	319	320	0.2313
82	12.44	33.510	4.28							75	12.73	33.413	4.39	25.23	274	275	0.3058

KOREA .JEONBUK 855 . STATION 312-03 . 33-59.8. N. 126-54.0. E, OCT.16.1983, 09:10 KST. DEPTH 74 . COLOR 3. TRANS. 11.0.
WAVE 2, SWELL 1, WIND NE 3. BARO 1019. , AIR TEMP. DRY 19.5. WET . CLOUD. TYPE AC. AMT 05, WEATHER BC,

0	22.53	33.210	5.53							0	22.53	33.210	5.53	22.73	513	512	0.0000
10	22.59	33.240	4.96							10	22.59	33.240	4.96	22.73	512	512	0.0512
20	22.38	33.270	5.20							20	22.38	33.270	5.20	22.82	504	505	0.1021
30	21.13	33.250	4.84							30	21.13	33.250	4.84	23.15	473	474	0.1511
50	14.07	33.180	4.83							50	14.07	33.180	4.83	24.78	317	318	0.2303
72	12.29	33.200	4.50														

KOREA .JEONBUK 855 . STATION 312-04 . 34-01.3. N. 125-42.0. E. OCT.16.1983. 07:35 KST. DEPTH 84 . COLOR 3. TRANS. 12.0.
WAVE 2. SWELL 1. WIND NE 3. BARO 1019. , AIR TEMP. DRY 19.3, WET . CLOUD. TYPE AC. AMT 07. WEATHER BC.

0	22.05	33.140	5.49							0	22.05	33.140	5.49	22.81	505	505	0.0000
10	22.03	33.170	5.21							10	22.03	33.170	5.21	22.84	502	502	0.0503
20	21.65	33.040	5.32							20	21.65	33.040	5.32	22.84	502	502	0.1006
30	20.28	33.020	4.71							30	20.28	33.020	4.71	23.20	468	469	0.1472
50	13.67	33.200	4.53							50	13.67	33.200	4.53	24.88	307	308	0.2270
82	11.67	33.210	4.46							75	12.10	33.207	4.49	25.19	278	279	0.3005

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 312-05 . 34-02.6. N, 125-30.0. E, OCT.16.1983. 05:50 KST. DEPTH 92 , COLOR . TRANS.																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1019, , AIR TEMP. DRY 19.2, WET , CLOUD. TYPE AC, AMT 04, WEATHER BC,																	
0	22.20	33.080	5.31							0	22.20	33.080	5.31	22.72	513	513	0.0000
10	21.80	33.120	5.20							10	21.80	33.120	5.20	22.86	500	500	0.0506
20	21.75	33.150	5.11							20	21.75	33.150	5.11	22.90	496	497	0.1005
30	21.49	33.150	4.81							30	21.49	33.150	4.81	22.97	489	490	0.1499
50	13.70	33.260	4.60							50	13.70	33.260	4.60	24.92	304	304	0.2294
75	11.54	33.180	4.60							75	11.54	33.180	4.60	25.28	270	271	0.3015
90	10.56	33.260	4.62														
KOREA .JEONBUK 855 , STATION 312-06 , 34-04.1. N, 125-18.0. E, OCT.16.1983, 04:10 KST. DEPTH 102 . . COLOR , TRANS.																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1019. , AIR TEMP. DRY 18.5, WET , CLOUD. TYPE AC, AMT 05, WEATHER BC,																	
0	19.50	32.120	5.40							0	19.50	32.120	5.40	22.71	514	514	0.0000
10	19.62	32.210	5.22							10	19.62	32.210	5.22	22.75	510	510	0.0512
20	19.26	32.270	5.01							20	19.26	32.270	5.01	22.89	497	498	0.1016
30	18.23	32.290	4.92							30	18.23	32.290	4.92	23.16	471	472	0.1502
50	12.81	32.740	4.50							50	12.81	32.740	4.50	24.70	325	326	0.2300
75	10.17	33.050	4.61							75	10.17	33.050	4.61	25.42	256	257	0.3030
98	10.16	33.070	4.90														
KOREA .JEONBUK 855 , STATION 312-07 , 34-05.5. N, 125-00.0. E, OCT.16.1983, 01:45 KST, DEPTH 91 . COLOR . TRANS.																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1020. , AIR TEMP. DRY 19.0, WET , CLOUD. TYPE AC. AMT 05, WEATHER BC,																	
0	20.30	32.130	5.40							0	20.30	32.130	5.40	22.52	533	533	0.0000
10	20.62	32.180	5.02							10	20.62	32.180	5.02	22.47	537	537	0.0535
20	20.34	32.210	4.99							20	20.34	32.210	4.99	22.57	528	528	0.1068
30	20.18	32.320	4.92							30	20.18	32.320	4.92	22.69	516	517	0.1592

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	19.78	32.650	4.91							50	19.78	32.650	4.91	23.05	482	484	0.2593
75	11.20	33.050	4.62							75	11.20	33.050	4.62	25.24	273	275	0.3542
88	9.53	33.200	4.60														

KOREA .JEONBUK 855 . STATION 312-08 . 34-05.5. N. 124-48.0. E. OCT.16.1983. 00:05 KST. DEPTH 93 , COLOR . TRANS. .

WAVE 2. SWELL 1. WIND N 3. BARO 1020. , AIR TEMP. DRY 19.5. WET . CLOUD. TYPE AC. AMT 06, WEATHER BC.

0	20.40	32.110	5.81							0	20.40	32.110	5.81	22.47	537	537	0.0000
10	20.60	32.160	5.42							10	20.60	32.160	5.42	22.46	538	538	0.0538
20	20.74	32.170	5.06							20	20.74	32.170	5.06	22.43	541	541	0.1078
30	18.56	32.270	5.05							30	18.56	32.270	5.05	23.06	481	481	0.1590
50	13.64	32.470	5.03							50	13.64	32.470	5.03	24.32	360	361	0.2433
75	9.81	33.230	4.51							75	9.81	33.230	4.51	25.62	237	238	0.3184
90	9.86	33.500	4.41														

KOREA .JEONBUK 855 . STATION 312-09 , 34-05.5. N, 124-36.0. E. OCT.15.1983. 22:25 KST. DEPTH 85 . COLOR . TRANS. .

WAVE 2. SWELL 1, WIND N 3. BARO 1020.5, AIR TEMP. DRY 19.5, WET . CLOUD. TYPE AC. AMT 09. WEATHER C ,

0	20.73	32.190	5.49							0	20.73	32.190	5.49	22.45	539	539	0.0000
10	20.75	32.200	5.39							10	20.75	32.200	5.39	22.45	539	539	0.0539
20	20.66	32.260	5.21							20	20.66	32.260	5.21	22.52	533	533	0.1076
30	17.60	32.380	5.19							30	17.60	32.380	5.19	23.38	450	451	0.1568
50	10.36	33.010	5.06							50	10.36	33.010	5.06	25.35	262	263	0.2283
80	9.97	33.370	4.81							75	10.03	33.310	4.85	25.64	235	236	0.2908

KOREA ,JEONBUK 855 . STATION 312-10 . 34-05.5. N, 124-24.0. E. OCT.15.1983. 20:50 KST, DEPTH 82 , COLOR , TRANS. .

WAVE 2. SWELL 1, WIND N 3, BARO 1021. . AIR TEMP. DRY 19.5. WET . CLOUD. TYPE AC, AMT 09, WEATHER C ,

0	20.61	32.050	5.47							0	20.61	32.050	5.47	22.37	547	546	0.0000
10	20.55	32.200	5.31							10	20.55	32.200	5.31	22.50	534	534	0.0540

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	20.58	32.280	5.21							20	20.58	32.280	5.21	22.56	529	529	0.1073
30	17.96	32.260	5.15							30	17.96	32.260	5.15	23.20	467	468	0.1572
50	9.88	33.170	5.01							50	9.88	33.170	5.01	25.56	243	243	0.2284
80	9.98	33.400	4.63							75	9.96	33.361	4.69	25.70	230	231	0.2878

12月(December)

KOREA .JEONBUK 855 . STATION 312-02 , 33-56.5. N. 126-06.0. E. DEC.22.1983. 15:30 KST. DEPTH 86 , COLOR 5. TRANS. 4.0.
WAVE 3. SWELL 2. WIND NE 3. BARO 1023. . AIR TEMP. DRY 8.2. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

0	11.93	32.990	5.78	0	11.93	32.990	5.78	25.06	290	290	0.0000
10	11.92	33.030	5.93	10	11.92	33.030	5.93	25.09	287	287	0.0289
20	12.09	33.000	6.03	20	12.09	33.000	6.03	25.04	293	293	0.0579
30	12.13	33.000	6.01	30	12.13	33.000	6.01	25.03	293	294	0.0873
50	12.13	33.000	5.86	50	12.13	33.000	5.86	25.03	293	294	0.1462
84	12.00	33.030	5.99	75	12.03	33.022	5.95	25.06	290	291	0.2194

KOREA .JEONBUK 855 . STATION 312-03 . 33-59.8. N. 126-54.0. E, DEC.22.1983. 13:45 KST. DEPTH 73 , COLOR 4. TRANS. 5.0.
WAVE 2. SWELL 2. WIND NE 3. BARO 1023. . AIR TEMP. DRY 9.8. WET . CLOUD. TYPE AS. AMT 10. WEATHER C .

0	11.97	33.040	6.13	0	11.97	33.040	6.13	25.09	287	287	0.0000
10	12.08	32.990	5.87	10	12.08	32.990	5.87	25.03	293	293	0.0290
20	12.21	33.020	6.00	20	12.21	33.020	6.00	25.03	293	293	0.0584
30	11.21	33.040	6.08	30	11.21	33.040	6.08	25.23	274	275	0.0868
50	11.05	33.050	5.96	50	11.05	33.050	5.96	25.27	271	271	0.1415
70	11.18	33.190	6.06								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .JEONBUK 855 , STATION 312-04 , 34-01.3. N. 125-42.0. E, DEC.22.1983, 12:15 KST, DEPTH 84 , COLOR 4, TRANS. 5.0,																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1025. , AIR TEMP. DRY 10.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	12.07	33.000	6.04							0	12.07	33.000	6.04	25.04	292	292	0.0000
10	12.06	32.950	5.96							10	12.06	32.950	5.96	25.00	296	296	0.0294
20	12.20	32.980	5.98							20	12.20	32.980	5.98	25.00	296	296	0.0590
30	11.40	33.150	5.98							30	11.40	33.150	5.98	25.28	269	270	0.0874
50	11.54	33.140	6.06							50	11.54	33.140	6.06	25.25	273	273	0.1418
82	11.51	33.220	5.96							75	11.51	33.202	5.98	25.30	267	269	0.2096
KOREA .JEONBUK 855 , STATION 312-05 , 34-02.6. N, 125-30.0. E, DEC.22.1983, 10:35 KST, DEPTH 92 , COLOR 3, TRANS. 7.0,																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1023. , AIR TEMP. DRY 8.7, WET , CLOUD. TYPE AC, AMT 08, WEATHER C ,																	
0	11.50	32.880	6.03							0	11.50	32.880	6.03	25.05	291	291	0.0000
10	11.88	32.910	6.01							10	11.88	32.910	6.01	25.01	295	295	0.0293
20	11.79	32.940	5.86							20	11.79	32.940	5.86	25.05	292	292	0.0587
30	11.68	32.960	6.01							30	11.68	32.960	6.01	25.08	288	289	0.0878
50	11.26	32.980	5.90							50	11.26	32.980	5.90	25.17	279	280	0.1448
75	11.53	33.100	6.03							75	11.53	33.100	6.03	25.22	275	277	0.2145
90	11.52	33.190	6.06														
KOREA .JEONBUK 855 , STATION 312-06 , 34-04.1. N, 125-18.0. E, DEC.22.1983, 09:00 KST, DEPTH 102 , COLOR 3, TRANS. 7.0,																	
WAVE 2, SWELL 1, WIND N 3, BARO 1024. , AIR TEMP. DRY 9.2, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	10.70	32.980	5.90							0	10.70	32.980	5.90	25.27	270	270	0.0000
10	10.80	32.980	6.00							10	10.80	32.980	6.00	25.26	272	272	0.0271
20	10.84	32.980	6.01							20	10.84	32.980	6.01	25.25	272	272	0.0543
30	10.74	32.980	6.03							30	10.74	32.980	6.03	25.27	271	271	0.0815
50	10.89	33.110	6.13							50	10.89	33.110	6.13	25.34	264	264	0.1352

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	10.89	33.170	6.18							75	10.89	33.170	6.18	25.39	259	260	0.2009
98	11.16	33.260	5.73														
KOREA ,JEONBUK 855 , STATION 312-07 , 34-05.5. N, 125-00.0. E, DEC.22.1983, 06:40 KST, DEPTH 91 , COLOR , TRANS. .																	
WAVE 2, SWELL 1, WIND NW 3, BARO 1025. , AIR TEMP. DRY 9.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	11.20	32.800	6.03							0	11.20	32.800	6.03	25.04	292	291	0.0000
10	11.17	32.870	6.02							10	11.17	32.870	6.02	25.10	286	286	0.0289
20	11.11	32.880	6.18							20	11.11	32.880	6.18	25.12	284	284	0.0574
30	11.12	32.910	6.18							30	11.12	32.910	6.18	25.14	282	283	0.0858
50	11.13	32.900	6.10							50	11.13	32.900	6.10	25.13	283	284	0.1426
75	11.25	32.930	5.98							75	11.25	32.930	5.98	25.14	283	284	0.2137
88	11.27	33.170	5.80														
KOREA ,JEONBUK 855 , STATION 312-08 , 34-05.5. N, 124-48.0. E, DEC.22.1983, 05:05 KST, DEPTH 92 , COLOR , TRANS. .																	
WAVE 2, SWELL 1, WIND NW 3, BARO 1025. , AIR TEMP. DRY 10.5, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	11.30	32.770	6.20							0	11.30	32.770	6.20	25.00	296	295	0.0000
10	11.34	32.790	6.30							10	11.34	32.790	6.30	25.01	295	295	0.0295
20	11.26	32.900	6.28							20	11.26	32.900	6.28	25.11	285	285	0.0586
30	11.25	32.900	6.08							30	11.25	32.900	6.08	25.11	285	286	0.0872
50	11.24	32.950	5.97							50	11.24	32.950	5.97	25.15	281	282	0.1440
75	11.21	32.950	5.88							75	11.21	32.950	5.88	25.16	281	282	0.2147
90	11.31	33.000	5.68														
KOREA ,JEONBUK 855 , STATION 312-09 , 34-05.5. N, 124-36.0. E, DEC.22.1983, 03:25 KST, DEPTH 86 , COLOR . TRANS. .																	
WAVE 2, SWELL 1, WIND NW 3, BARO 1025. , AIR TEMP. DRY 8.1, WET , CLOUD. TYPE AC, AMT 10, WEATHER C .																	
0	11.04	32.680	6.16							0	11.04	32.680	6.16	24.98	298	298	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	11.37	32.640	6.13							10	11.37	32.640	6.13	24.89	306	306	0.0302
20	11.27	32.650	6.19							20	11.27	32.650	6.19	24.92	304	304	0.0608
30	11.18	32.820	6.04							30	11.18	32.820	6.04	25.06	290	290	0.0905
50	11.26	32.880	6.00							50	11.26	32.880	6.00	25.10	287	288	0.1484
84	11.31	33.120	5.88							75	11.29	33.056	5.91	25.23	274	276	0.2190

KOREA .JEONBUK 855 . STATION 312-10 . 34-05.5. N. 124-24.0. E. DEC.22.1983. 01:50 KST. DEPTH 80 . COLOR . TRANS. .

WAVE 2. SWELL 1. WIND NW 3. BARO 1026. . AIR TEMP. DRY 8.0. WET , CLOUD. TYPE AC. AMT 10. WEATHER R ,

0	11.35	32.650	6.33							0	11.35	32.650	6.33	24.90	305	305	0.0000
10	11.43	32.620	6.30							10	11.43	32.620	6.30	24.86	309	309	0.0307
20	11.44	32.620	6.20							20	11.44	32.620	6.20	24.86	309	309	0.0617
30	11.00	32.680	6.28							30	11.00	32.680	6.28	24.99	297	298	0.0920
50	10.86	32.760	6.08							50	10.86	32.760	6.08	25.07	289	290	0.1509
78	11.27	33.010	5.78							75	11.22	32.983	5.81	25.18	279	280	0.2222

第三編

韓 日 共 同 海 洋 觀 測 成 績
(400線)

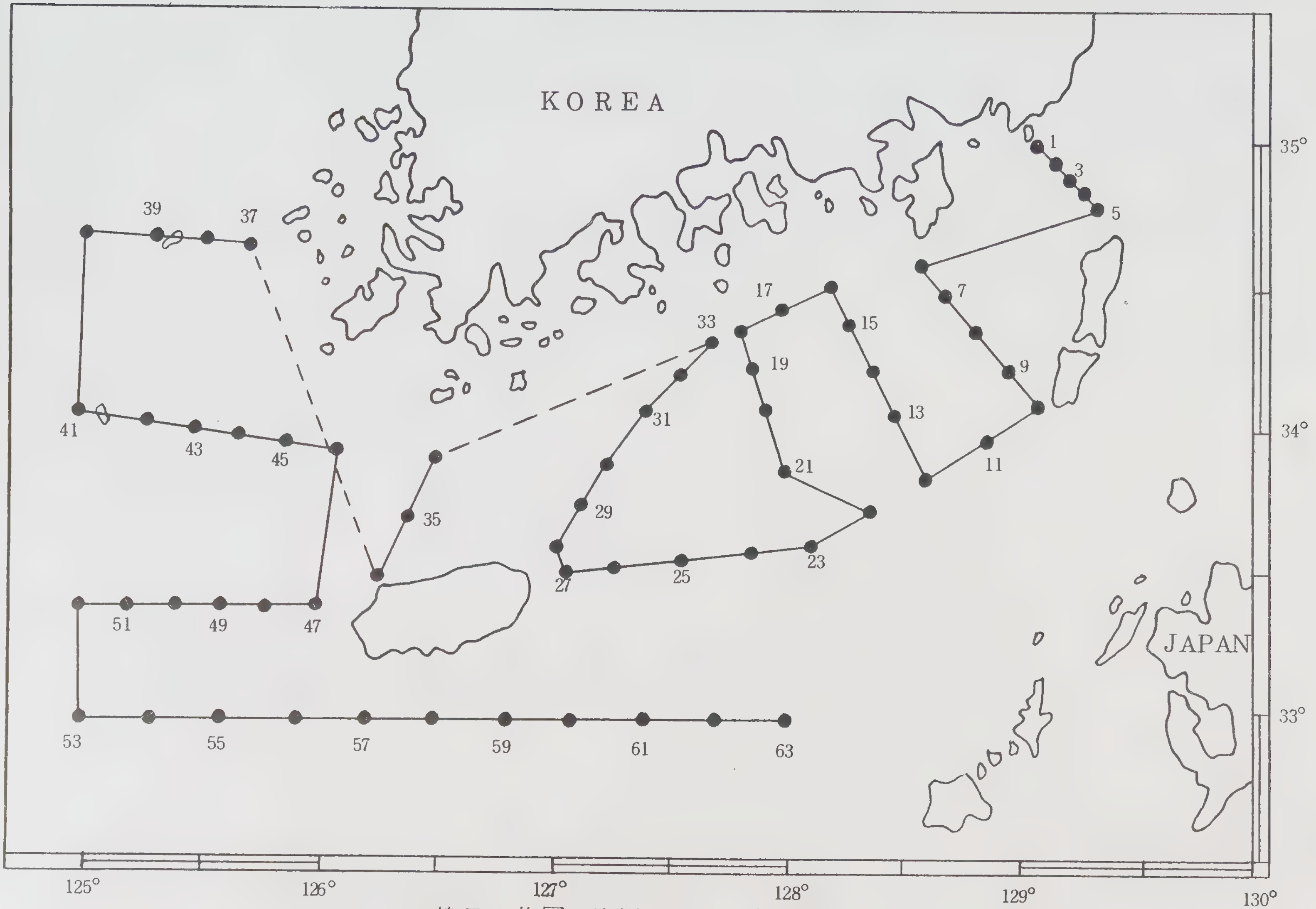
(水温, 塩分, 酸素 및 氣象觀測資料)

PART 3

KOREA-JAPAN COOPERATIVE OCEANOGRAPHIC DATA
(Line 400)

(Temperature, Salinity, Oxygen and Meteorological Data)

1 9 8 3



韓日 共同 海洋觀測點 位置圖

Location of the Korea–Japan cooperative oceanographic stations.

韓日 共同 海洋觀測點 位置表

Position of the Korea–Japan cooperative oceanographic stations

St. No.	Latitude (N)	Longitude (E)	Serial Ocean. St. No.	St. No.	Latitude (N)	Longitude (E)	Serial Ocean. St. No.
01	35° 01.3′	129° 07.2′	207／01	33	34° 20.8′	127° 43.9′	204／01
02	34° 57.6′	129° 11.2′	02	34	33° 56.6′	126° 31.4′	203／01
03	34° 53.9′	129° 15.4′	03	35	33° 47.5′	126° 26.3′	02
04	34° 50.2′	129° 19.5′	04	36	33° 38.3′	126° 21.3′	03
05	34° 48.0′	129° 21.8′	05	37	34° 43.0′	125° 43.9′	311／04
06	34° 35.5′	128° 34.5′	206／01	38	34° 43.0′	125° 31.9′	05
07	34° 29.6′	128° 41.2′	02	39	34° 43.0′	125° 19.4′	06
08	34° 22.4′	128° 49.7′	03	40	34° 43.0′	125° 00.0′	07
09	34° 15.3′	128° 58.0′	04	41	34° 05.5′	125° 00.0′	312／07
10	34° 08.1′	129° 06.3′	05	42	34° 04.1′	125° 18.0′	06
11	33° 58.3′	128° 54.0′		43	34° 02.6′	125° 30.0′	05
12	33° 51.7′	128° 39.0′		44	34° 01.3′	125° 42.0′	04
13	34° 04.6′	128° 30.0′		45	33° 59.8′	125° 54.0′	03
14	34° 13.5′	128° 24.0′		46	33° 58.5′	126° 06.0′	02
15	34° 22.2′	128° 18.4′		47	33° 24.4′	126° 00.0′	313／02
16	34° 31.0′	128° 12.2′		48	33° 24.4′	125° 48.0′	03
17	34° 27.0′	128° 00.5′		49	33° 24.4′	125° 36.0′	04
18	34° 22.3′	127° 48.5′	205／01	50	33° 24.4′	125° 24.0′	05
19	34° 15.0′	127° 52.1′	02	51	33° 24.4′	125° 12.0′	06
20	34° 05.5′	127° 56.9′	03	52	33° 24.4′	125° 00.0′	07
21	33° 51.5′	128° 03.0′	04	53	33° 00.0′	125° 00.0′	314／10
22	33° 44.3′	128° 23.9′		54	33° 00.0′	125° 18.0′	09
23	33° 37.3′	128° 09.2′	205／05	55	33° 00.0′	125° 36.0′	08
24	33° 35.6′	127° 51.9′		56	33° 00.0′	125° 54.0′	07
25	33° 33.6′	127° 34.0′		57	33° 00.0′	126° 12.0′	06
26	33° 31.7′	127° 11.8′		58	33° 00.0′	126° 30.0′	05
27	33° 30.3′	127° 04.5′		59	33° 00.0′	126° 48.0′	04
28	33° 35.8′	127° 03.2′	204／06	60	33° 00.0′	127° 06.0′	03
29	33° 45.5′	127° 09.2′	05	61	33° 00.0′	127° 24.0′	02
30	33° 54.1′	127° 15.2′	04	62	33° 00.0′	127° 42.0′	01
31	34° 06.7′	127° 26.8′	03	63	33° 00.0′	128° 00.0′	00
32	34° 13.7′	127° 35.4′	02				

400線 海洋觀測 成績

Oceanographic Data. Line 400

2 月(February)

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 400-11 , 33-56.3. N, 128-54.0. E, FEB. 3.1983, 18:00 KST, DEPTH 113 , COLOR , TRANS. ,																	
WAVE N 3, SWELL NE 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 6.6, WET , CLOUD. TYPE SC, AMT 08, WEATHER C ,																	
0	14.56	34.490	5.64							0	14.56	34.490	5.64	25.69	231	230	0.0000
10	.14.50	34.510	5.58							10	14.50	34.510	5.58	25.72	228	228	0.0229
20	14.50	34.510	5.59							20	14.50	34.510	5.59	25.72	228	228	0.0457
30	14.22	34.500	5.64							30	14.22	34.500	5.64	25.77	223	223	0.0684
50	13.31	34.490	5.74							50	13.31	34.490	5.74	25.95	206	207	0.1115
75	12.84	34.400	5.89							75	12.84	34.400	5.89	25.97	203	205	0.1631
100	11.70	34.270	5.92							100	11.70	34.270	5.92	26.09	192	194	0.2131
KOREA .BUSAN 852 , STATION 400-12 , 33-51.7. N, 128-39.0. E, FEB. 3.1983, 19:55 KST, DEPTH 103 , COLOR , TRANS. ,																	
WAVE N 3, SWELL NE 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 8.2, WET , CLOUD. TYPE SC, AMT 10, WEATHER C ,																	
0	15.76	34.540	5.51							0	15.76	34.540	5.51	25.46	252	252	0.0000
10	15.74	34.530	5.51							10	15.74	34.530	5.51	25.46	252	252	0.0252
20	15.70	34.530	5.35							20	15.70	34.530	5.35	25.47	251	252	0.0505
30	15.74	34.530	5.33							30	15.74	34.530	5.33	25.46	252	253	0.0757
50	15.60	34.530	5.45							50	15.60	34.530	5.45	25.49	249	250	0.1262
75	15.44	34.520	5.42							75	15.44	34.520	5.42	25.52	247	248	0.1887
100	13.88	34.510	5.44							100	13.88	34.510	5.44	25.85	215	218	0.2471
KOREA .BUSAN 852 . STATION 400-13 . 34-04.6. N, 128-30.0. E, FEB. 3.1983. 15:40 KST, DEPTH 93 , COLOR 4. TRANS. 16.0,																	
WAVE N 3, SWELL N 2, WIND N 3, BARO 1016.5, AIR TEMP. DRY 8.3, WET , CLOUD. TYPE SC, AMT 08, WEATHER C ,																	
0	14.61	34.500	5.64							0	14.61	34.500	5.64	25.69	231	231	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	14.58	34.510	5.66							10	14.58	34.510	5.66	25.70	229	229	0.0230
20	14.57	34.510	5.61							20	14.57	34.510	5.61	25.70	229	230	0.0460
30	14.47	34.510	5.70							30	14.47	34.510	5.70	25.72	227	228	0.0689
50	14.24	34.520	5.66							50	14.24	34.520	5.66	25.78	222	223	0.1141
75	13.18	34.540	5.74							75	13.18	34.540	5.74	26.01	200	201	0.1672
90	13.64	******	*****														

KOREA .BUSAN 852 , STATION 400-14 , 34-13.5. N, 128-24.0. E, FEB. 3.1983, 14:25 KST, DEPTH 82 , COLOR 4, TRANS. 16.0,
WAVE NE 3, SWELL NE 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 8.6, WET , CLOUD. TYPE SC, AMT 09, WEATHER C .

0	14.75	34.510	5.71							0	14.75	34.510	5.71	25.66	233	233	0.0000
10	14.73	34.510	5.74							10	14.73	34.510	5.74	25.67	233	233	0.0233
20	14.72	******	5.82							20	14.72	34.515	5.82	25.67	232	232	0.0465
30	14.74	34.520	5.82							30	14.74	34.520	5.82	25.67	232	233	0.0698
50	14.56	34.520	5.84							50	14.56	34.520	5.84	25.71	228	229	0.1161
75	12.86	******	5.64							75	12.86	******	5.64	*****	***	***	******

KOREA .BUSAN 852 , STATION 400-15 , 34-22.2. N, 128-18.4. E, FEB. 3.1983, 13:10 KST, DEPTH 65 , COLOR 4, TRANS. 17.0,
WAVE NE 3, SWELL NE 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 8.4, WET , CLOUD. TYPE SC, AMT 05, WEATHER BC,

0	14.04	34.480	6.23							0	14.04	34.480	6.23	25.79	221	220	0.0000
10	14.02	34.480	5.94							10	14.02	34.480	5.94	25.80	220	220	0.0220
20	12.81	34.400	6.13							20	12.81	34.400	6.13	25.98	203	203	0.0433
30	11.74	34.280	5.99							30	11.74	34.280	5.99	26.09	192	192	0.0631
50	11.19	34.250	5.77							50	11.19	34.250	5.77	26.17	185	185	0.1010

KOREA .BUSAN 852 . STATION 400-16 , 34-31.0. N. 128-12.2. E. FEB. 3.1983. 09:45 KST. DEPTH 45 , COLOR 5. TRANS. 5.0.
WAVE NE 3, SWELL NE 1. WIND NE 1, BARO 1016.5. AIR TEMP. DRY 7.5, WET , CLOUD. TYPE CC, AMT 08, WEATHER C ,

0	11.40	34.210	6.05							0	11.40	34.210	6.05	26.10	191	191	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	11.34	34.260	6.02							10	11.34	34.260	6.02	26.15	186	186	0.0189
20	11.37	34.260	6.02							20	11.37	34.260	6.02	26.15	187	187	0.0376
30	11.40	34.270	6.02							30	11.40	34.270	6.02	26.15	187	187	0.0563
40	11.37	34.270	6.04														
KOREA .BUSAN 852 , STATION 400-17 , 34-27.0. N, 128-00.5. E, FEB. 3.1983, 11:10 KST, DEPTH 38 , COLOR 5, TRANS. 5.0, WAVE NE 3, SWELL NE 1, WIND N 3, BARO 1016.5, AIR TEMP. DRY 7.4, WET , CLOUD. TYPE CC, AMT 06, WEATHER BC,																	
0	11.01	34.250	6.14							0	11.01	34.250	6.14	26.20	181	181	0.0000
10	10.96	34.230	6.14							10	10.96	34.230	6.14	26.20	182	182	0.0182
20	10.96	34.220	6.14							20	10.96	34.220	6.14	26.19	183	183	0.0365
30	11.01	34.200	6.14							30	11.01	34.200	6.14	26.17	185	186	0.0549
35	11.00	34.200	6.10														
KOREA .BUSAN 852 , STATION 400-22 , 33-44.3. N, 128-23.9. E, FEB. 3.1983, 21:50 KST, DEPTH 105 , COLOR , TRANS. . WAVE N 3, SWELL NE 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 8.2, WET , CLOUD. TYPE SC, AMT 10, WEATHER C .																	
0	15.78	34.530	5.46							0	15.78	34.530	5.46	25.45	253	253	0.0000
10	15.79	34.540	5.35							10	15.79	34.540	5.35	25.46	253	253	0.0253
20	15.77	34.540	5.21							20	15.77	34.540	5.21	25.46	252	253	0.0506
30	15.83	34.540	5.46							30	15.83	34.540	5.46	25.45	254	254	0.0760
50	15.79	34.530	5.44							50	15.79	34.530	5.44	25.45	253	255	0.1269
75	15.80	34.550	5.34							75	15.80	34.550	5.34	25.46	252	254	0.1906
100	15.83	34.540	5.23							100	15.83	34.540	5.23	25.45	254	256	0.2545
KOREA .BUSAN 852 , STATION 400-24 , 33-35.6. N, 127-51.9. E, FEB. 5.1983, 19:20 KST, DEPTH 100 , COLOR , TRANS. , WAVE SW 2. SWELL SW 2. WIND SW 3, BARO 1016. , AIR TEMP. DRY 11.5, WET , CLOUD. TYPE AC, AMT 10, WEATHER C .																	
0	16.24	34.570	5.45							0	16.24	34.570	5.45	25.38	260	260	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.26	34.560	5.25							10	16.26	34.560	5.25	25.36	261	261	0.0261
20	16.25	34.570	5.25							20	16.25	34.570	5.25	25.37	260	261	0.0522
30	16.28	34.560	5.30							30	16.28	34.560	5.30	25.36	262	262	0.0784
50	16.24	34.560	5.46							50	16.24	34.560	5.46	25.37	261	262	0.1310
75	16.30	34.570	5.25							75	16.30	34.570	5.25	25.36	262	263	0.1968
95	16.31	34.580	5.35														

KOREA .BUSAN 852 . STATION 400-25 , 33-33.6. N, 127-34.0. E, FEB. 5.1983, 17:30 KST, DEPTH 103 , COLOR , TRANS.

WAVE SW 2, SWELL SW 2, WIND SW 3, BARO 1016.5, AIR TEMP. DRY 12.0, WET , CLOUD. TYPE AC, AMT 05, WEATHER BC,

0	16.13	34.570	5.48							0	16.13	34.570	5.48	25.40	258	258	0.0000
10	16.13	34.570	5.43							10	16.13	34.570	5.43	25.40	258	258	0.0258
20	16.12	34.600	5.36							20	16.12	34.600	5.36	25.43	255	256	0.0515
30	16.09	34.570	5.54							30	16.09	34.570	5.54	25.41	257	258	0.0772
50	16.09	34.570	5.37							50	16.09	34.570	5.37	25.41	257	258	0.1289
75	16.08	34.560	5.35							75	16.08	34.560	5.35	25.40	257	259	0.1937
100	16.11	34.570	5.48							100	16.11	34.570	5.48	25.41	257	260	0.2587

KOREA .BUSAN 852 , STATION 400-26 , 33-31.7. N, 127-11.6. E, FEB. 5.1983, 15:35 KST, DEPTH 115 . COLOR 4, TRANS. 16.0.

WAVE NW 2. SWELL NW 2. WIND NW 3, BARO 1015. . AIR TEMP. DRY 11.6, WET , CLOUD. TYPE AC. AMT 10, WEATHER C ,

0	16.55	34.560	5.65							0	16.55	34.560	5.65	25.30	268	267	0.0000
10	16.51	34.540	5.48							10	16.51	34.540	5.48	25.29	266	268	0.0268
20	16.57	34.560	5.35							20	16.57	34.560	5.35	25.29	268	269	0.0537
30	16.54	34.560	5.33							30	16.54	34.560	5.33	25.30	268	268	0.0806
50	16.56	34.540	5.45							50	16.56	34.540	5.45	25.28	269	271	0.1346
75	16.57	34.560	5.25							75	16.57	34.560	5.25	25.29	268	270	0.2023
100	16.56	34.550	5.45							100	16.56	34.550	5.45	25.29	269	271	0.2701
110	16.58	34.550	5.45														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA .BUSAN 852 . STATION 400-27 . 33-30.3. N, 127-04.5. E. FEB. 5.1983. 13:40 KST. DEPTH 130 . COLOR 4. TRANS. 13.0.

WAVE NW 3, SWELL N 2, WIND NW 3. BARO 1016.5. AIR TEMP. DRY 11.4. WET . CLOUD. TYPE AC. AMT 08, WEATHER C ,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.26	34.600	5.40							0	16.26	34.600	5.40	25.39	258	258	0.0000
10.	16.24	34.530	5.30							10	16.24	34.530	5.30	25.35	263	263	0.0261
20	16.20	34.530	5.33							20	16.20	34.530	5.33	25.35	262	263	0.0524
30	16.23	34.540	5.54							30	16.23	34.540	5.54	25.36	262	263	0.0787
50	16.13	******	5.45							50	16.13	34.535	5.45	25.37	260	262	0.1313
75	15.81	34.530	5.64							75	15.81	34.530	5.64	25.44	254	256	0.1960
100	15.64	34.530	5.51							100	15.64	34.530	5.51	25.48	250	253	0.2597
125	15.37	34.510	5.45							125	15.37	34.510	5.45	25.53	246	249	0.3226

4月(April)

KOREA .BUSAN 852 . STATION 400-11 . 33-58.3. N. 128-54.0. E. APR. 9.1983. 00:30 KST. DEPTH 113 . COLOR , TRANS.

WAVE NE 4. SWELL NE 3, WIND NE 4, BARO 1012.5, AIR TEMP. DRY 13.0, WET . CLOUD. TYPE CS, AMT 04, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.00	34.650	6.10							0	15.00	34.650	6.10	25.72	228	228	0.0000
10	15.00	34.640	6.05							10	15.00	34.640	6.05	25.71	229	229	0.0228
20	14.98	34.670	6.30							20	14.98	34.670	6.30	25.74	226	226	0.0456
30	15.01	34.640	6.15							30	15.01	34.640	6.15	25.71	229	229	0.0684
50	15.00	34.670	6.00							50	15.00	34.670	6.00	25.73	226	228	0.1142
75	13.35	34.470	5.95							75	13.35	34.470	5.95	25.93	208	210	0.1690
100	13.23	34.430	5.95							100	13.23	34.430	5.95	25.92	209	211	0.2217
108	13.22	34.430	5.90														

KOREA .BUSAN 852 , STATION 400-12 , 33-51.7. N, 128-39.0. E, APR. 9.1983, 02:10 KST, DEPTH 105 , COLOR . TRANS.

WAVE NE 4, SWELL NE 3, WIND NE 4, BARO 1013. , AIR TEMP. DRY 13.8, WET , CLOUD. TYPE NS, AMT 06, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.22	34.710	6.15							0	15.22	34.710	6.15	25.71	228	228	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	15.19	34.670	6.10							10	15.19	34.670	6.10	25.69	230	230	0.0229
20	15.20	34.670	6.05							20	15.20	34.670	6.05	25.69	231	231	0.0460
30	15.18	34.680	5.90							30	15.18	34.680	5.90	25.70	229	230	0.0691
50	15.18	34.690	5.85							50	15.18	34.690	5.85	25.71	229	230	0.1152
75	15.03	34.740	5.90							75	15.03	34.740	5.90	25.76	222	224	0.1720
100	15.02	34.690	5.90							100	15.02	34.690	5.90	25.74	225	226	0.2286

KOREA .BUSAN 852 . STATION 400-13 , 34-04.6. N. 128-30.0. E. APR. 8.1983. 22:00 KST. DEPTH 83 , COLOR . TRANS.

WAVE NE 4, SWELL NE 3, WIND NE 5, BARO 1012.2, AIR TEMP. DRY 13.2. WET . CLOUD. TYPE CS. AMT 05, WEATHER BC,

0	14.99	34.620	6.15							0	14.99	34.620	6.15	25.69	230	230	0.0000
10	15.00	34.650	6.20							10	15.00	34.650	6.20	25.72	228	228	0.0229
20	15.00	34.660	6.20							20	15.00	34.660	6.20	25.72	227	227	0.0457
30	14.99	34.660	6.15							30	14.99	34.660	6.15	25.73	227	228	0.0685
50	14.81	34.660	6.15							50	14.81	34.660	6.15	25.77	223	224	0.1138
75	14.20	34.630	6.10							75	14.20	34.630	6.10	25.87	213	215	0.1688

KOREA .BUSAN 852 , STATION 400-14 . 34-13.5. N, 128-24.0. E. APR. 8.1983. 20:30 KST, DEPTH 70 , COLOR , TRANS.

WAVE NE 4, SWELL NE 3, WIND NE 4, BARO 1012.2, AIR TEMP. DRY 13.3. WET , CLOUD. TYPE CS. AMT 05, WEATHER BC,

0	15.01	34.680	6.00							0	15.01	34.680	6.00	25.74	226	226	0.0000
10	15.03	34.690	6.00							10	15.03	34.690	6.00	25.74	226	226	0.0226
20	15.03	34.660	6.00							20	15.03	34.660	6.00	25.72	228	228	0.0453
30	15.01	34.680	6.00							30	15.01	34.680	6.00	25.74	226	226	0.0681
50	14.42	34.610	6.15							50	14.42	34.610	6.15	25.81	219	220	0.1126
65	13.31	34.540	6.15														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 400-15 . 34-22.2. N. 128-18.4. E, APR. 8.1983. 19:00 KST. DEPTH 63 . COLOR . TRANS. .																	
WAVE NW 2, SWELL NW 2, WIND NW 3, BARO 1011.5, AIR TEMP. DRY 13.6, WET , CLOUD. TYPE CS, AMT 07, WEATHER BC,																	
0	13.53	34.340	6.60							0	13.53	34.340	6.60	25.79	221	221	0.0000
10.	13.54	******	6.50							10	13.54	34.360	6.50	25.80	220	220	0.0220
20	13.24	34.380	6.40							20	13.24	34.380	6.40	25.88	212	213	0.0437
30	12.20	34.370	6.20							30	12.20	34.370	6.20	26.08	194	194	0.0641
50	12.18	34.330	6.20							50	12.18	34.330	6.20	26.05	196	197	0.1033
58	11.61	34.220	6.30														
KOREA .BUSAN 852 . STATION 400-16 . 34-31.0. N, 128-12.2. E, APR. 8.1983, 16:00 KST, DEPTH 43 , COLOR 5. TRANS. 9.0,																	
WAVE NE 2, SWELL NE 2, WIND NE 2, BARO 1012. . AIR TEMP. DRY 15.2. WET , CLOUD. TYPE CS, AMT 07, WEATHER BC,																	
0	13.30	34.380	6.20							0	13.30	34.380	6.20	25.87	214	213	0.0000
10.	13.26	34.360	6.20							10	13.26	34.360	6.20	25.86	214	214	0.0214
20	12.97	34.340	6.15							20	12.97	34.340	6.15	25.90	210	210	0.0427
30	12.11	34.380	6.10							30	12.11	34.380	6.10	26.10	191	192	0.0628
40	12.15	34.410	6.00														
KOREA .BUSAN 852 . STATION 400-17 , 34-27.0. N. 128-00.5. E, APR. 8.1983, 17:20 KST, DEPTH 38 , COLOR 5. TRANS. 10.0.																	
WAVE NE 2, SWELL NE 2, WIND SE 2, BARO 1012. , AIR TEMP. DRY 15.0, WET , CLOUD. TYPE CS, AMT 07, WEATHER BC,																	
0	12.93	34.320	6.68							0	12.93	34.320	6.68	25.89	211	211	0.0000
10	12.92	34.320	6.52							10	12.92	34.320	6.52	25.90	211	211	0.0211
20	12.88	34.320	6.35							20	12.88	34.320	6.35	25.90	210	210	0.0422
30	12.37	34.390	6.20							30	12.37	34.390	6.20	26.06	195	196	0.0625
35	12.27	34.370	6.12														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 400-22 , 33-44.3. N, 128-23.9. E, APR. 9.1983, 04:00 KST, DEPTH 108 , COLOR , TRANS.																	
WAVE NE 4, SWELL NE 3, WIND NE 4, BARO 1012. , AIR TEMP. DRY 14.2, WET , CLOUD. TYPE NS, AMT 07, WEATHER BC.																	
0	15.18	34.640	6.20							0	15.18	34.640	6.20	25.67	232	232	0.0000
10	15.16	34.660	5.90							10	15.16	34.660	5.90	25.69	231	231	0.0231
20	15.18	34.660	6.00							20	15.18	34.660	6.00	25.68	231	231	0.0463
30	15.15	34.650	5.90							30	15.15	34.650	5.90	25.68	231	232	0.0695
50	14.94	34.660	5.75							50	14.94	34.660	5.75	25.74	226	227	0.1154
75	14.96	34.670	5.58							75	14.96	34.670	5.58	25.74	226	227	0.1723
100	14.99	34.680	5.60							100	14.99	34.680	5.60	25.74	226	228	0.2294
KOREA .BUSAN 852 , STATION 400-24 , 33-35.6. N, 127-51.9. E. APR.10.1983. 21:00 KST. DEPTH 100 . COLOR . TRANS.																	
WAVE NW 1, SWELL NW 2, WIND NW 2, BARO 1002. , AIR TEMP. DRY 15.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER R ,																	
0	15.81	34.550	6.00							0	15.81	34.550	6.00	25.46	252	252	0.0000
10	15.62	34.610	6.05							10	15.62	34.610	6.05	25.55	244	244	0.0248
20	15.56	34.580	6.00							20	15.56	34.580	6.00	25.54	245	245	0.0493
30	15.55	34.580	6.00							30	15.55	34.580	6.00	25.54	245	245	0.0739
50	15.54	34.600	5.80							50	15.54	34.600	5.80	25.56	243	244	0.1229
75	15.52	34.610	5.70							75	15.52	34.610	5.70	25.57	242	244	0.1840
95	15.49	34.610	5.80														
KOREA .BUSAN 852 . STATION 400-25 . 33-33.6. N, 127-34.0. E. APR.10.1983, 19:10 KST. DEPTH 100 . COLOR , TRANS.																	
WAVE NW 1, SWELL NW 2, WIND NW 1, BARO 1002. , AIR TEMP. DRY 15.8, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	16.20	34.550	6.10							0	16.20	34.550	6.10	25.37	261	261	0.0000
10	15.58	34.550	6.10							10	15.58	34.550	6.10	25.51	247	247	0.0254
20	15.53	34.550	6.05							20	15.53	34.550	6.05	25.52	246	247	0.0502
30	15.51	34.560	6.05							30	15.51	34.560	6.05	25.53	245	246	0.0748

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	15.47	34.570	6.10							50	15.47	34.570	6.10	25.55	244	245	0.1240
75	15.42	34.590	6.00							75	15.42	34.590	6.00	25.58	241	243	0.1851
95	15.12	34.590	5.85														

KOREA .BUSAN 852 , STATION 400-26 , 33-31.7. N, 127-11.6. E, APR.10.1983, 17:20 KST, DEPTH 105 , COLOR 4, TRANS. 10.0.

WAVE W 1, SWELL W 2. WIND W 1. BARO 1002.5. AIR TEMP. DRY 15.6, WET , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	15.70	34.540	6.10							0	15.70	34.540	6.10	25.48	251	250	0.0000
10	15.80	34.500	6.05							10	15.80	34.500	6.05	25.42	256	256	0.0253
20	15.66	34.540	6.05							20	15.66	34.540	6.05	25.48	250	250	0.0507
30	15.62	34.580	6.00							30	15.62	34.580	6.00	25.52	246	247	0.0755
50	15.58	34.570	6.15							50	15.58	34.570	6.15	25.53	246	247	0.1250
75	15.53	34.620	5.55							75	15.53	34.620	5.55	25.58	241	243	0.1864
100	14.80	34.600	5.30							100	14.80	34.600	5.30	25.72	227	230	0.2457

KOREA .BUSAN 852 , STATION 400-27 . 33-30.3. N, 127-04.5. E, APR.10.1983. 15:20 KST. DEPTH 120 , COLOR 4, TRANS. 11.0.

WAVE . SWELL W 2, WIND W 1, BARO 1002.3, AIR TEMP. DRY 15.9, WET . CLOUD. TYPE AS, AMT 10, WEATHER C .

0	15.33	34.450	6.15							0	15.33	34.450	6.15	25.49	249	249	0.0000
10	15.29	34.450	5.90							10	15.29	34.450	5.90	25.50	249	249	0.0249
20	15.27	34.440	6.05							20	15.27	34.440	6.05	25.49	249	249	0.0498
30	15.36	34.450	6.00							30	15.36	34.450	6.00	25.48	250	251	0.0749
50	14.90	34.530	5.95							50	14.90	34.530	5.95	25.65	235	236	0.1236
75	14.85	34.540	5.25							75	14.85	34.540	5.25	25.66	233	235	0.1825
100	14.86	34.530	5.20							100	14.86	34.530	5.20	25.65	234	236	0.2415

6 月(June)

KOREA .BUSAN 852 , STATION 400-11 , 33-56.3. N, 128-54.0. E, JUN. 8.1983, 18:15 KST, DEPTH 114 , COLOR 2, TRANS. 11.0,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1006.5, AIR TEMP. DRY 20.5, WET , CLOUD. TYPE CC, AMT 07, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	20.18	33.780	5.62							0	20.18	33.780	5.62	23.80	410	410	0.0000
10	20.00	33.760	5.55							10	20.00	33.760	5.55	23.83	407	407	0.0409
20	19.03	34.060	5.77							20	19.03	34.060	5.77	24.31	362	362	0.0794
30	16.88	34.290	5.47							30	16.88	34.290	5.47	25.01	295	295	0.1123
50	16.79	34.370	5.37							50	16.79	34.370	5.37	25.09	287	288	0.1707
75	16.58	34.390	5.32							75	16.58	34.390	5.32	25.16	281	283	0.2422
100	16.18	34.400	5.32							100	16.18	34.400	5.32	25.26	271	274	0.3119
110	15.84	34.410	5.27														

KOREA .BUSAN 852 . STATION 400-12 , 33-51.7. N, 128-39.0. E, JUN. 8.1983, 20:00 KST, DEPTH 111 , COLOR , TRANS. .
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1008. , AIR TEMP. DRY 20.5, WET , CLOUD. TYPE CI, AMT 02, WEATHER B .

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	20.00	33.910	5.62							0	20.00	33.910	5.62	23.95	396	396	0.0000
10	19.69	33.960	5.87							10	19.69	33.960	5.87	24.07	385	385	0.0391
20	19.86	33.950	5.97							20	19.86	33.950	5.97	24.01	390	390	0.0779
30	18.66	34.060	5.87							30	18.66	34.060	5.87	24.40	353	353	0.1151
50	17.05	34.310	5.87							50	17.05	34.310	5.87	24.99	297	298	0.1804
75	15.79	34.350	5.73							75	15.79	34.350	5.73	25.31	267	268	0.2513
100	15.18	34.500	5.28							100	15.18	34.500	5.28	25.56	243	245	0.3157
108	14.54	34.540	5.08														

KOREA .BUSAN 852 , STATION 400-13 , 34-04.6. N, 128-30.0. E, JUN. 8.1983, 16:00 KST, DEPTH 93 , COLOR 3, TRANS. 13.0,
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1007. , AIR TEMP. DRY 20.9, WET , CLOUD. TYPE CC, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.29	33.880	5.67							0	19.29	33.880	5.67	24.11	381	381	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.05	33.840	5.62							10	16.05	33.840	5.62	24.39	354	354	0.0368
20	16.67	33.890	5.59							20	16.67	33.890	5.59	24.76	319	320	0.0705
30	14.92	33.920	5.52							30	14.92	33.920	5.52	25.17	280	280	0.1005
50	14.84	34.300	5.37							50	14.84	34.300	5.37	25.48	250	251	0.1538
75	14.68	34.460	5.38							75	14.68	34.460	5.38	25.64	235	237	0.2149
90	14.52	34.510	4.88														
KOREA ,BUSAN 852 . STATION 400-14 . 34-13.5. N, 128-24.0. E, JUN. 8.1983, 14:40 KST, DEPTH 80 , COLOR 3, TRANS. 11.0,																	
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1007. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	19.45	33.990	5.67							0	19.45	33.990	5.67	24.15	377	377	0.0000
10	19.40	33.990	5.67							10	19.40	33.990	5.67	24.16	376	376	0.0376
20	18.88	34.030	5.67							20	18.88	34.030	5.67	24.33	360	361	0.0745
30	17.97	34.090	5.57							30	17.97	34.090	5.57	24.60	334	335	0.1093
50	13.55	34.110	5.47							50	13.55	34.110	5.47	25.61	238	239	0.1668
75	13.88	34.140	5.27							75	13.88	34.140	5.27	25.56	243	244	0.2274
KOREA ,BUSAN 852 , STATION 400-15 , 34-22.2. N, 128-18.4. E, JUN. 8.1983, 13:30 KST, DEPTH 65 , COLOR 3, TRANS. 11.0,																	
WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1007.5, AIR TEMP. DRY 19.9, WET , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
0	18.47	33.860	5.97							0	18.47	33.860	5.97	24.30	363	362	0.0000
10	18.05	33.850	5.87							10	18.05	33.850	5.87	24.39	354	354	0.0358
20	17.73	33.850	5.87							20	17.73	33.850	5.87	24.47	346	346	0.0709
30	16.80	33.940	5.87							30	16.80	33.940	5.87	24.76	319	319	0.1042
50	16.02	33.980	5.83							50	16.02	33.980	5.83	24.97	299	300	0.1662
60	15.28	33.970	5.37														
KOREA ,BUSAN 852 , STATION 400-16 , 34-31.0. N, 128-12.2. E, JUN. 8.1983, 10:30 KST, DEPTH 43 , COLOR 3, TRANS. 10.0,																	
WAVE SE 2, SWELL SE 1, WIND SE 2, BARO 1006. , AIR TEMP. DRY 19.4, WET , CLOUD. TYPE NS, AMT 10, WEATHER C .																	
0	18.45	33.810	5.93							0	18.45	33.810	5.93	24.27	366	366	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	17.63	33.780	5.91							10	17.63	33.780	5.91	24.44	349	349	0.0357
20	17.39	33.790	5.88							20	17.39	33.790	5.88	24.51	343	343	0.0704
30	16.57	33.760	5.85							30	16.57	33.760	5.85	24.68	327	327	0.1039
40	15.92	33.760	5.67														

KOREA .BUSAN 852 . STATION 400-17 , 34-27.0. N, 128-00.5. E, JUN. 8.1983, 12:00 KST, DEPTH 36 , COLOR 3, TRANS. 10.0,
WAVE SW 2. SWELL SW 1. WIND SW 2, BARO 1008. , AIR TEMP. DRY 20.6, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	17.83	33.690	5.88							0	17.83	33.690	5.88	24.33	360	360	0.0000
10	17.23	33.710	5.87							10	17.23	33.710	5.87	24.49	345	345	0.0352
20	17.00	33.760	5.77							20	17.00	33.760	5.77	24.58	336	336	0.0694
30	16.53	33.860	5.77							30	16.53	33.860	5.77	24.76	318	319	0.1022

KOREA .BUSAN 852 , STATION 400-22 , 33-44.3. N, 128-23.9. E, JUN. 8.1983, 21:50 KST, DEPTH 108 , COLOR , TRANS. ,
WAVE SW 1, SWELL SW 1, WIND SW 2, BARO 1008. , AIR TEMP. DRY 20.3, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	20.16	33.580	5.77							0	20.16	33.580	5.77	23.65	424	424	0.0000
10	20.16	33.560	5.72							10	20.16	33.560	5.72	23.64	426	426	0.0425
20	18.51	33.950	5.67							20	18.51	33.950	5.67	24.36	357	357	0.0817
30	17.66	34.470	5.62							30	17.66	34.470	5.62	24.96	299	300	0.1146
50	17.18	34.440	5.57							50	17.18	34.440	5.57	25.06	291	292	0.1739
75	17.02	34.420	5.47							75	17.02	34.420	5.47	25.08	289	290	0.2468
100	16.83	34.440	5.17							100	16.83	34.440	5.17	25.14	283	285	0.3189

KOREA .BUSAN 852 . STATION 400-24 , 33-35.6. N, 127-51.9. E, JUN.10.1983, 18:55 KST, DEPTH 98 , COLOR , TRANS. ,
WAVE WNW 2. SWELL WNW 1, WIND NW 2, BARO 1007.5, AIR TEMP. DRY 20.9, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	20.80	33.670	5.52							0	20.80	33.670	5.52	23.55	434	434	0.0000
10	20.29	33.660	5.62							10	20.29	33.660	5.62	23.68	422	422	0.0428

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	19.80	33.660	5.62							20	19.80	33.660	5.62	23.81	410	410	0.0844
30	19.39	34.280	5.52							30	19.39	34.280	5.52	24.39	354	355	0.1227
50	17.78	34.560	5.37							50	17.78	34.560	5.37	25.00	296	297	0.1880
75	16.49	34.550	5.12							75	16.49	34.550	5.12	25.30	267	269	0.2589
95	15.43	34.540	5.17														

KOREA .BUSAN 852 . STATION 400-25 , 33-33.6. N, 127-34.0. E, JUN.10.1983. 17:10 KST. DEPTH 103 . COLOR 2. TRANS. 15.0.

WAVE WNW 2, SWELL WNW 1, WIND NW 3, BARO 1006.5, AIR TEMP. DRY 22.2. WET , CLOUD. TYPE CI. AMT 02, WEATHER B .

0	20.97	32.970	5.59							0	20.97	32.970	5.59	22.98	489	489	0.0000
10	20.33	32.980	5.53							10	20.33	32.980	5.53	23.15	472	472	0.0480
20	19.96	33.270	5.48							20	19.96	33.270	5.48	23.47	442	442	0.0938
30	19.61	33.510	5.42							30	19.61	33.510	5.42	23.74	416	416	0.1368
50	16.10	34.160	5.37							50	16.10	34.160	5.37	25.09	287	288	0.2073
75	15.45	34.470	5.12							75	15.45	34.470	5.12	25.48	251	252	0.2750
100	14.96	34.550	4.88							100	14.96	34.550	4.88	25.65	234	237	0.3363

KOREA .BUSAN 852 , STATION 400-26 , 33-31.7. N. 127-11.8. E. JUN.10.1983. 15:25 KST. DEPTH 110 ., COLOR 2. TRANS. 17.0.

WAVE W 2, SWELL W 1, WIND W 3. BARO 1007. . AIR TEMP. DRY 21.6, WET , CLOUD. TYPE CI. AMT 02. WEATHER B ,

0	20.80	33.250	5.72							0	20.80	33.250	5.72	23.23	464	464	0.0000
10	20.44	33.310	5.77							10	20.44	33.310	5.77	23.38	451	451	0.0458
20	19.53	******	5.72							20	19.53	33.330	5.72	23.63	427	427	0.0897
30	18.96	33.350	5.52							30	18.96	33.350	5.52	23.79	412	412	0.1317
50	16.10	34.360	5.37							50	16.10	34.360	5.37	25.25	273	274	0.2004
75	14.96	34.490	5.27							75	14.96	34.490	5.27	25.60	239	241	0.2648
100	14.71	34.500	5.18							100	14.71	34.500	5.18	25.66	233	235	0.3244
108	14.65	34.530	5.07														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 400-27 , 33-30.3. N, 127-04.5. E, JUN.10.1983, 13:40 KST, DEPTH 123 . , COLOR 2, TRANS. 15.0,																	
WAVE W 2, SWELL W 1, WIND W 3, BARO 1007.8, AIR TEMP. DRY 20.7, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	19.90	33.720	5.97							0	19.90	33.720	5.97	23.83	408	407	0.0000
10	19.36	33.760	5.77							10	19.36	33.760	5.77	24.00	391	391	0.0399
20	19.06	33.830	5.72							20	19.06	33.830	5.72	24.13	379	379	0.0785
30	18.59	33.910	5.67							30	18.59	33.910	5.67	24.31	362	363	0.1157
50	18.17	34.030	5.62							50	18.17	34.030	5.62	24.50	343	345	0.1865
75	17.16	34.240	5.47							75	17.16	34.240	5.47	24.91	305	307	0.2680
100	15.94	34.510	5.22							100	15.94	34.510	5.22	25.40	258	261	0.3391
120	15.23	34.520	5.12														

8月(August)

KOREA .BUSAN 852 , STATION 400-11 , 33-58.3. N, 128-54.0. E, AUG. 4.1983, 18:50 KST, DEPTH 110 , COLOR 3, TRANS. 13.0,																	
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1006. , AIR TEMP. DRY 28.0, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	27.79	31.260	4.68							0	27.79	31.260	4.68	19.67	806	805	0.0000
10	25.43	31.540	5.08							10	25.43	31.540	5.08	20.62	715	715	0.0760
20	20.22	32.870	5.38							20	20.22	32.870	5.38	23.10	477	478	0.1357
30	17.98	33.280	5.43							30	17.98	33.280	5.43	23.98	393	394	0.1793
50	17.75	34.100	4.53							50	17.75	34.100	4.53	24.66	328	330	0.2518
75	15.28	34.350	4.23							75	15.28	34.350	4.23	25.42	256	257	0.3253
100	14.71	34.440	4.13							100	14.71	34.440	4.13	25.62	237	240	0.3675
KOREA .BUSAN 852 , STATION 400-12 , 33-51.7. N, 128-39.0. E, AUG. 4.1983, 20:35 KST, DEPTH 110 , COLOR , TRANS. ,																	
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1007.5, AIR TEMP. DRY 27.4, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	28.40	31.480	4.75							0	28.40	31.480	4.75	19.64	809	808	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	27.74	31.500	4.85							10	27.74	31.500	4.85	19.87	787	787	0.0798
20	22.64	32.990	5.21							20	22.64	32.990	5.21	22.53	532	532	0.1457
30	19.81	33.070	5.13							30	19.81	33.070	5.13	23.36	453	453	0.1951
50	18.43	34.390	4.53							50	18.43	34.390	4.53	24.71	323	325	0.2729
75	17.14	******	4.03							75	17.14	34.440	4.03	25.07	290	292	0.3501
100	15.14	34.490	4.03							100	15.14	34.490	4.03	25.56	243	245	0.4173

KOREA ,BUSAN 852 , STATION 400-13 , 34-04.6. N, 128-30.0. E, AUG. 5.1983, 05:00 KST, DEPTH 98 , COLOR , TRANS. ,
WAVE W 1, SWELL W 1, WIND W 2, BARO 1007.5, AIR TEMP. DRY 25.8, WET , CLOUD. TYPE , AMT , WEATHER ,

0	26.59	31.090	5.13							0	26.59	31.090	5.13	19.93	781	781	0.0000
10	23.01	31.860	5.13							10	23.01	31.860	5.13	21.57	623	623	0.0702
20	19.33	32.830	5.23							20	19.33	32.830	5.23	23.30	458	459	0.1244
30	19.34	33.000	5.31							30	19.34	33.000	5.31	23.42	446	447	0.1697
50	19.48	34.160	4.71							50	19.48	34.160	4.71	24.27	365	367	0.2511
75	17.50	34.490	4.15							75	17.50	34.490	4.15	25.02	294	296	0.3341
96	15.70	34.410	4.13														

KOREA ,BUSAN 852 , STATION 400-14 , 34-13.5. N, 128-24.0. E, AUG. 5.1983, 06:15 KST, DEPTH 80 , COLOR , TRANS. ,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1008. , AIR TEMP. DRY 26.2, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	25.71	31.630	5.13							0	25.71	31.630	5.13	20.60	716	716	0.0000
10	22.61	32.220	5.45							10	22.61	32.220	5.45	21.96	586	586	0.0651
20	19.24	32.400	5.43							20	19.24	32.400	5.43	22.99	487	488	0.1189
30	15.97	33.520	5.33							30	15.97	33.520	5.33	24.63	331	332	0.1599
50	14.62	34.000	4.83							50	14.62	34.000	4.83	25.30	268	269	0.2200
75	14.04	34.360	4.07							75	14.04	34.360	4.07	25.70	230	231	0.2826

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 400-15 , 34-22.2. N, 128-18.4. E. AUG. 5.1983. 12:40 KST, DEPTH 65 , COLOR 3, TRANS. 17.0,																	
WAVE , SWELL SE 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 31.0, WET , CLOUD. TYPE CI, AMT 01, WEATHER B ,																	
0	26.73	32.020	5.05							0	26.73	32.020	5.05	20.58	718	718	0.0000
10	22.05	32.290	5.53							10	22.05	32.290	5.53	22.17	566	566	0.0642
20	17.94	32.430	5.53							20	17.94	32.430	5.53	23.34	454	455	0.1153
30	14.16	33.250	5.45							30	14.16	33.250	5.45	24.82	313	314	0.1538
50	14.15	34.250	4.78							50	14.15	34.250	4.78	25.59	240	241	0.2094
63	14.17	34.350	4.43														
KOREA .BUSAN 852 , STATION 400-16 , 34-31.0. N, 128-12.2. E, AUG. 5.1983, 13:50 KST, DEPTH 47 , COLOR 5, TRANS. 6.0,																	
WAVE , SWELL W 1, WIND W 1, BARO 1007.5, AIR TEMP. DRY 30.8, WET , CLOUD. TYPE , AMT 04, WEATHER BC,																	
0	25.68	32.680	5.28							0	25.68	32.680	5.28	21.40	640	639	0.0000
10	21.72	32.660	5.55							10	21.72	32.660	5.55	22.54	531	531	0.0585
20	18.64	33.110	5.53							20	18.64	33.110	5.53	23.68	421	422	0.1062
30	17.74	33.340	5.43							30	17.74	33.340	5.43	24.08	384	384	0.1465
45	16.82	33.830	5.03														
KOREA .BUSAN 852 , STATION 400-17 , 34-27.0. N, 128-00.5. E. AUG. 6.1983. 11:00 KST. DEPTH 35 . COLOR 5. TRANS. 11.0.																	
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1009. , AIR TEMP. DRY 26.8, WET , CLOUD. TYPE CI, AMT 03. WEATHER BC.																	
0	24.47	32.740	5.19							0	24.47	32.740	5.19	21.81	600	600	0.0000
10	21.49	32.770	5.24							10	21.49	32.770	5.24	22.68	517	517	0.0559
20	16.99	33.240	5.23							20	16.99	33.240	5.23	24.18	374	374	0.1005
30	15.36	33.700	5.08							30	15.36	33.700	5.08	24.91	305	305	0.1345
KOREA .BUSAN 852 , STATION 400-22 , 33-44.3. N, 128-23.9. E, AUG. 4.1983, 22:20 KST, DEPTH 110 , COLOR , TRANS. ,																	
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1006. , AIR TEMP. DRY 27.2, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	27.69	31.100	4.93							0	27.69	31.100	4.93	19.59	814	814	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	27.12	31.840	4.90							10	27.12	31.840	4.90	20.32	743	743	0.0779
20	24.79	31.980	5.23							20	24.79	31.980	5.23	21.14	664	665	0.1483
30	21.19	32.810	5.43							30	21.19	32.810	5.43	22.80	506	507	0.2069
50	18.20	34.240	4.71							50	18.20	34.240	4.71	24.66	329	330	0.2907
75	15.02	34.360	4.15							75	15.02	34.360	4.15	25.49	250	251	0.3635
100	14.88	34.500	3.93							100	14.88	34.500	3.93	25.63	236	239	0.4249

KOREA .BUSAN 852 , STATION 400-24 , 33-35.6. N, 127-51.9. E. AUG. 7.1983, 19:10 KST, DEPTH 112 , COLOR , TRANS. ,

WAVE S 1. SWELL S 1, WIND S 1, BARO 1008.5, AIR TEMP. DRY 29.2, WET , CLOUD. TYPE CU, AMT 04, WEATHER BC,

0	29.41	31.900	4.61							0	29.41	31.900	4.61	19.62	811	810	0.0000
10	27.89	32.010	4.93							10	27.89	32.010	4.93	20.20	755	755	0.0783
20	25.85	33.240	5.13							20	25.85	33.240	5.13	21.77	604	605	0.1463
30	23.44	33.590	5.23							30	23.44	33.590	5.23	22.76	510	511	0.2021
50	19.77	34.120	4.73							50	19.77	34.120	4.73	24.17	375	377	0.2909
75	17.47	34.160	4.15							75	17.47	34.160	4.15	24.77	318	320	0.3781
100	17.17	34.240	3.63							100	17.17	34.240	3.63	24.91	305	308	0.4566

KOREA .BUSAN 852 , STATION 400-25 , 33-33.6. N. 127-34.0. E, AUG. 7.1983, 17:20 KST, DEPTH 108 , COLOR , TRANS. ,

WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1008.5, AIR TEMP. DRY 31.6, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

0	29.50	32.010	4.73							0	29.50	32.010	4.73	19.67	806	805	0.0000
10	27.85	31.850	4.71							10	27.85	31.850	4.71	20.10	765	765	0.0785
20	24.18	32.840	5.33							20	24.18	32.840	5.33	21.97	585	585	0.1461
30	22.95	33.530	5.05							30	22.95	33.530	5.05	22.85	501	502	0.2005
50	18.40	34.190	4.67							50	18.40	34.190	4.67	24.57	337	338	0.2846
75	17.34	******	4.31							75	17.34	34.410	4.31	24.99	296	298	0.3643
100	17.54	34.630	4.03							100	17.54	34.630	4.03	25.12	285	288	0.4377

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,BUSAN 852 , STATION 400-26 , 33-31.7. N, 127-11.8. E, AUG. 7.1983, 15:40 KST, DEPTH 108 , COLOR 3, TRANS. 19.0,																	
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 30.9, WET , CLOUD. TYPE CI, AMT 05, WEATHER BC,																	
0	29.62	31.690	4.68							0	29.62	31.690	4.68	19.39	833	832	0.0000
10	27.86	31.780	4.73							10	27.86	31.780	4.73	20.04	770	770	0.0801
20	23.21	32.630	5.43							20	23.21	32.630	5.43	22.10	573	573	0.1474
30	19.96	33.430	5.11							30	19.96	33.430	5.11	23.59	430	431	0.1976
50	16.99	34.210	4.83							50	16.99	34.210	4.83	24.93	303	304	0.2712
75	15.39	34.500	4.43							75	15.39	34.500	4.43	25.51	247	249	0.3405
100	15.45	34.600	3.83							100	15.45	34.600	3.83	25.58	241	244	0.4022
KOREA ,BUSAN 852 , STATION 400-27 , 33-30.3. N, 127-04.5. E, AUG. 7.1983, 13:50 KST, DEPTH 132 , COLOR 3, TRANS. 16.0,																	
WAVE , SWELL SE 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 31.0, WET , CLOUD. TYPE CS, AMT 08, WEATHER C ,																	
0	29.40	31.700	4.93							0	29.40	31.700	4.93	19.47	825	824	0.0000
10	26.71	31.780	5.03							10	26.71	31.780	5.03	20.41	735	735	0.0780
20	24.14	32.160	5.23							20	24.14	32.160	5.23	21.47	633	633	0.1465
30	20.68	33.000	5.33							30	20.68	33.000	5.33	23.08	479	480	0.2022
50	18.02	33.650	4.93							50	18.02	33.650	4.93	24.25	367	369	0.2871
75	15.90	33.910	4.81							75	15.90	33.910	4.81	24.95	301	303	0.3712
100	14.35	34.200	4.53							100	14.35	34.200	4.53	25.51	248	250	0.4404
125	14.45	34.260	4.53							125	14.45	34.260	4.53	25.53	245	248	0.5028

10月(October)

KOREA .BUSAN 852 , STATION 400-11 , 33-58.3. N, 128-54.0. E, OCT.11.1983, 20:30 KST, DEPTH 108 , COLOR , TRANS. ,																	
WAVE NE 3, SWELL NE 3, WIND NE 5, BARO 1015. , AIR TEMP. DRY 20.9, WET , CLOUD. TYPE SC, AMT 03, WEATHER BC,																	
0	24.00	32.710	4.73							0	24.00	32.710	4.73	21.93	589	589	0.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
10	24.00	32.720	4.81							10	24.00	32.720	4.81	21.94	589	589	0.0589
20	24.00	32.750	4.90							20	24.00	32.750	4.90	21.96	586	587	0.1177
30	23.19	32.810	4.52							30	23.19	32.810	4.52	22.24	560	560	0.1751
50	20.81	32.510	4.33							50	20.81	32.510	4.33	22.67	518	519	0.2831
75	19.14	33.820	4.35							75	19.14	33.820	4.35	24.10	382	384	0.3962
100	17.49	34.120	4.02							100	17.49	34.120	4.02	24.74	321	324	0.4847

KOREA ,BUSAN 852 , STATION 400-12 , 33-51.7. N, 128-39.0. E, OCT.11.1983, 22:20 KST, DEPTH 105 , COLOR . TRANS. ,

WAVE NE 3, SWELL NE 3, WIND NE 5, BARO 1005. , AIR TEMP. DRY 20.9, WET , CLOUD. TYPE SC, AMT 03, WEATHER BC,

0	23.21	32.310	4.84							0	23.21	32.310	4.84	21.86	596	596	0.0000
10	23.16	32.310	4.84							10	23.16	32.310	4.84	21.87	595	595	0.0595
20	23.15	32.590	4.82							20	23.15	32.590	4.82	22.08	574	575	0.1181
30	22.60	32.510	4.83							30	22.60	32.510	4.83	22.18	565	566	0.1751
50	21.72	33.260	4.33							50	21.72	33.260	4.33	22.99	488	489	0.2807
75	17.72	33.600	3.75							75	17.72	33.600	3.75	24.28	364	366	0.3877
100	17.54	34.500	*****							100	17.54	34.500	*****	25.02	295	297	0.4707

KOREA .BUSAN 852 . STATION 400-13 . 34-04.6. N, 128-30.0. E, OCT.11.1983, 16:00 KST, DEPTH 90 , COLOR . TRANS. .

WAVE NE 4, SWELL NE 3, WIND NE 4, BARO 1014. , AIR TEMP. DRY 20.8, WET , CLOUD. TYPE NS, AMT 08, WEATHER C ,

0	23.30	32.280	4.90							0	23.30	32.280	4.90	21.81	601	601	0.0000
10	23.17	32.290	5.10							10	23.17	32.290	5.10	21.85	597	597	0.0599
20	23.12	32.360	5.10							20	23.12	32.360	5.10	21.92	590	590	0.1193
30	23.28	32.390	5.00							30	23.28	32.390	5.00	21.90	592	593	0.1785
50	22.27	32.990	4.52							50	22.27	32.990	4.52	22.63	522	523	0.2902
75	16.73	33.310	4.27							75	16.73	33.310	4.27	24.30	363	365	0.4012
87	14.97	32.710	4.13														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 400-14 . 34-13.5. N, 128-24.0. E. OCT.11.1983. 16:40 KST. DEPTH 81 , COLOR 4. TRANS. 14.0.																	
WAVE NE 4, SWELL NE 3, WIND NE 4, BARO 1015. , AIR TEMP. DRY 21.2, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,																	
0	22.99	32.080	5.02							0	22.99	32.080	5.02	21.74	607	607	0.0000
10	22.90	32.080	5.00							10	22.90	32.080	5.00	21.77	604	604	0.0605
20	23.14	32.370	4.90							20	23.14	32.370	4.90	21.92	590	590	0.1203
30	22.98	32.770	4.71							30	22.98	32.770	4.71	22.27	557	557	0.1778
50	15.80	33.380	4.63							50	15.80	33.380	4.63	24.56	338	339	0.2675
75	14.61	34.140	3.65							75	14.61	34.140	3.65	25.41	257	259	0.3423
KOREA .BUSAN 852 , STATION 400-15 , 34-22.2. N, 128-18.4. E, OCT.11.1983, 14:40 KST, DEPTH 65 , COLOR 4, TRANS. 11.0,																	
WAVE N 1, SWELL N 1, WIND W 1, BARO 1015. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	22.72	31.510	5.05							0	22.72	31.510	5.05	21.39	641	640	0.0000
10	22.80	31.850	5.19							10	22.80	31.850	5.19	21.62	618	618	0.0629
20	23.44	32.530	5.14							20	23.44	32.530	5.14	21.96	587	587	0.1233
30	23.28	32.620	5.08							30	23.28	32.620	5.08	22.07	576	576	0.1815
50	16.65	32.870	4.64							50	16.65	32.870	4.64	23.50	439	440	0.2832
62	15.19	33.410	3.85														
KOREA .BUSAN 852 . STATION 400-16 . 34-31.0. N, 128-12.2. E, OCT.11.1983. 11:50 KST. DEPTH 44 , COLOR 4. TRANS. 9.0,																	
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1014.5, AIR TEMP. DRY 23.3, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	22.47	31.100	5.29							0	22.47	31.100	5.29	21.15	664	663	0.0000
10	22.39	31.170	5.19							10	22.39	31.170	5.19	21.23	657	657	0.0660
20	22.21	31.230	4.90							20	22.21	31.230	4.90	21.32	647	648	0.1313
30	22.20	31.360	4.83							30	22.20	31.360	4.83	21.42	638	638	0.1956
42	21.73	31.650	4.79														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 . STATION 400-17 . 34-27.0. N, 128-00.5. E, OCT.11.1983. 13:00 KST. DEPTH 40 , COLOR 4, TRANS. 8.0,																	
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1014.5, AIR TEMP. DRY 23.0, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	22.24	31.060	5.21							0	22.24	31.060	5.21	21.18	661	660	0.0000
10	22.12	31.060	5.02							10	22.12	31.060	5.02	21.22	657	657	0.0659
20	22.02	31.640	4.90							20	22.02	31.640	4.90	21.68	613	613	0.1295
30	21.98	32.090	4.84							30	21.98	32.090	4.84	22.03	579	580	0.1891
38	21.92	32.250	4.71														
KOREA ,BUSAN 852 , STATION 400-22 , 33-44.3. N, 128-23.9. E, OCT.12.1983, 00:10 KST, DEPTH 107 , COLOR , TRANS.																	
WAVE ENE 3, SWELL ENE 3. WIND ENE 5, BARO 1015. , AIR TEMP. DRY 21.6, WET , CLOUD. TYPE SC, AMT 03, WEATHER BC,																	
0	23.50	32.520	4.93							0	23.50	32.520	4.93	21.93	589	589	0.0000
10	23.44	32.470	4.92							10	23.44	32.470	4.92	21.91	591	591	0.0590
20	23.54	32.530	4.81							20	23.54	32.530	4.81	21.93	589	590	0.1181
30	24.67	33.240	4.71							30	24.67	33.240	4.71	22.13	570	571	0.1761
50	23.86	33.490	4.52							50	23.86	33.490	4.52	22.56	529	530	0.2863
75	23.74	33.740	4.31							75	23.74	33.740	4.31	22.78	508	510	0.4165
100	24.33	34.470	3.81							100	24.33	34.470	3.81	23.16	472	475	0.5396
KOREA ,BUSAN 852 , STATION 400-24 , 33-35.6. N, 127-51.9. E, OCT.14.1983, 19:05 KST, DEPTH 107 , COLOR , TRANS.																	
WAVE NE 3, SWELL NE 2, WIND NE 4, BARO 1015. , AIR TEMP. DRY 22.1, WET , CLOUD. TYPE SC, AMT 09, WEATHER C ,																	
0	25.29	33.740	4.79							0	25.29	33.740	4.79	22.32	552	552	0.0000
10	25.28	33.700	4.66							10	25.28	33.700	4.66	22.29	554	554	0.0553
20	25.28	33.680	4.62							20	25.28	33.680	4.62	22.28	556	556	0.1109
30	25.27	33.660	4.60							30	25.27	33.660	4.60	22.27	557	558	0.1666
50	25.27	33.660	4.49							50	25.27	33.660	4.49	22.27	557	558	0.2783
75	25.06	33.990	4.47							75	25.06	33.990	4.47	22.58	527	529	0.4144
100	24.85	34.540	3.86							100	24.85	34.540	3.86	23.06	481	484	0.5412

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 400-25 , 33-33.6. N, 127-34.0. E, OCT.14.1983, 17:10 KST, DEPTH 103 , COLOR 3, TRANS. 14.0,																	
WAVE NE 3, SWELL NE 3, WIND NE 4, BARO 1015. , AIR TEMP. DRY 20.2, WET , CLOUD. TYPE SC, AMT 09, WEATHER C ,																	
0	25.17	33.720	4.62							0	25.17	33.720	4.62	22.34	550	549	0.0000
10	25.15	33.720	4.62							10	25.15	33.720	4.62	22.35	549	549	0.0549
20	25.14	33.710	4.60							20	25.14	33.710	4.60	22.34	550	550	0.1099
30	24.73	33.700	4.62							30	24.73	33.700	4.62	22.46	539	539	0.1645
50	23.05	33.700	4.60							50	23.05	33.700	4.60	22.75	491	493	0.2677
75	22.92	34.350	4.06							75	22.92	34.350	4.06	23.48	441	443	0.3848
100	17.16	34.610	3.63							100	17.16	34.610	3.63	25.19	278	281	0.4754
KOREA .BUSAN 852 , STATION 400-26 , 33-31.7. N, 127-11.8. E, OCT.14.1983, 15:10 KST, DEPTH 108 , COLOR 3, TRANS. 16.0,																	
WAVE NE 3, SWELL NE 2, WIND NE 3, BARO 1015. , AIR TEMP. DRY 21.4, WET , CLOUD. TYPE SC, AMT 08, WEATHER C ,																	
0	24.48	33.600	4.62							0	24.48	33.600	4.62	22.46	539	538	0.0000
10	24.48	33.590	4.62							10	24.48	33.590	4.62	22.45	539	539	0.0539
20	24.48	33.600	4.62							20	24.48	33.600	4.62	22.46	539	539	0.1078
30	24.50	33.720	4.59							30	24.50	33.720	4.59	22.54	530	531	0.1614
50	23.14	33.780	4.57							50	23.14	33.780	4.57	22.99	488	489	0.2636
75	23.02	34.030	4.02							75	23.02	34.030	4.02	23.21	467	469	0.3835
100	22.51	34.370	3.46							100	22.51	34.370	3.46	23.61	428	431	0.4961
KOREA .BUSAN 852 , STATION 400-27 , 33-30.3. N, 127-04.5. E, OCT.14.1983, 13:10 KST, DEPTH 130 , COLOR 3, TRANS. 18.0,																	
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1017. , AIR TEMP. DRY 21.4, WET , CLOUD. TYPE SC, AMT 08, WEATHER C ,																	
0	24.30	33.710	4.78							0	24.30	33.710	4.78	22.59	526	525	0.0000
10	24.28	33.640	4.71							10	24.28	33.640	4.71	22.55	530	530	0.0528
20	24.29	33.650	4.71							20	24.29	33.650	4.71	22.55	530	530	0.1058
30	24.30	33.700	4.71							30	24.30	33.700	4.71	22.59	526	527	0.1587

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	24.09	33.690	4.71							50	24.09	33.690	4.71	22.64	521	522	0.2637
75	18.60	33.750	4.35							75	18.60	33.750	4.35	24.18	374	376	0.3761
100	23.62	33.840	3.81							100	23.62	33.840	3.81	22.89	497	500	0.4857
125	16.54	34.530	3.37							125	16.54	34.530	3.37	25.28	270	273	0.5825

12月(December)

KOREA .BUSAN 852 , STATION 400-11 , 33-58.3. N, 128-54.0. E, DEC. 6.1983, 18:30 KST. DEPTH 115 , COLOR , TRANS. .
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1020. . AIR TEMP. DRY 11.5, WET , CLOUD. TYPE CC, AMT 05, WEATHER BC,

0	19.30	34.440	5.20							0	19.30	34.440	5.20	24.53	341	340	0.0000
10	19.32	34.430	5.27							10	19.32	34.430	5.27	24.52	342	342	0.0341
20	19.30	34.420	5.20							20	19.30	34.420	5.20	24.52	342	342	0.0684
30	19.30	34.430	5.24							30	19.30	34.430	5.24	24.52	341	342	0.1026
50	18.80	34.410	5.32							50	18.80	34.410	5.32	24.64	331	332	0.1701
75	18.59	34.410	5.35							75	18.59	34.410	5.35	24.69	326	328	0.2527
100	17.68	34.470	5.20							100	17.68	34.470	5.20	24.96	300	303	0.3316
110	16.38	******	5.10														

KOREA .BUSAN 852 , STATION 400-12 , 33-51.7. N, 128-39.0. E. DEC. 6.1983, 20:20 KST, DEPTH 108 , COLOR , TRANS. .
WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1019.5, AIR TEMP. DRY 11.8, WET . CLOUD. TYPE CC, AMT 06, WEATHER BC,

0	18.93	34.430	5.28							0	18.93	34.430	5.28	24.62	332	332	0.0000
10	18.95	34.450	5.25							10	18.95	34.450	5.25	24.63	331	331	0.0332
20	18.93	34.420	5.15							20	18.93	34.420	5.15	24.61	333	333	0.0665
30	18.93	34.430	5.29							30	18.93	34.430	5.29	24.62	332	333	0.0998
50	18.85	34.490	5.34							50	18.85	34.490	5.34	24.68	326	327	0.1660
75	18.26	34.530	5.27							75	18.26	34.530	5.27	24.86	309	311	0.2459
100	15.74	34.600	4.76							100	15.74	34.600	4.76	25.51	247	250	0.3161

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA .BUSAN 852 , STATION 400-13 , 34-04.6. N, 128-30.0. E, DEC. 6.1983, 16:25 KST, DEPTH 95 , COLOR 3, TRANS. 10.0,																	
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1019.5, AIR TEMP. DRY 11.4, WET , CLOUD. TYPE CC, AMT 04, WEATHER BC,																	
0	16.98	34.080	5.44							0	16.98	34.080	5.44	24.83	312	312	0.0000
10	16.96	34.090	5.32							10	16.96	34.090	5.32	24.84	311	311	0.0312
20	15.90	34.010	5.39							20	15.90	34.010	5.39	25.02	294	294	0.0615
30	15.73	34.020	5.23							30	15.73	34.020	5.23	25.07	289	290	0.0907
50	15.23	34.010	*****							50	15.23	34.010	5.18	25.17	280	281	0.1479
75	15.36	34.300	5.13							75	15.38	34.300	5.13	25.36	261	263	0.2160
92	15.54	34.490	4.93														
KOREA .BUSAN 852 , STATION 400-14 , 34-13.5. N, 128-24.0. E, DEC. 6.1983, 15:10 KST, DEPTH 83 , COLOR 3, TRANS. 12.0,																	
WAVE NW 2, SWELL NW 1, WIND NW 4, BARO 1019. , AIR TEMP. DRY 11.1, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,																	
0	17.52	34.000	5.29							0	17.52	34.000	5.29	24.64	330	330	0.0000
10	17.52	34.090	5.35							10	17.52	34.090	5.35	24.71	324	324	0.0327
20	16.70	34.140	5.29							20	16.70	34.140	5.29	24.94	302	302	0.0640
30	15.90	34.240	5.25							30	15.90	34.240	5.25	25.20	277	277	0.0931
50	15.85	34.220	*****							50	15.85	34.220	5.37	25.20	277	278	0.1488
75	15.46	34.160	5.52							75	15.46	34.160	5.52	25.24	273	275	0.2181
KOREA .BUSAN 852 , STATION 400-15 , 34-22.2. N, 128-18.4. E, DEC. 6.1983, 14:00 KST, DEPTH 70 , COLOR 5, TRANS. 9.0,																	
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1019.5, AIR TEMP. DRY 12.4, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,																	
0	14.49	33.930	5.49							0	14.49	33.930	5.49	25.27	270	270	0.0000
10	14.46	33.960	5.29							10	14.46	33.960	5.29	25.30	267	267	0.0269
20	14.33	33.920	5.34							20	14.33	33.920	5.34	25.30	268	268	0.0537
30	14.23	33.900	5.49							30	14.23	33.900	5.49	25.30	267	268	0.0805
50	14.18	33.910	5.29							50	14.18	33.910	5.29	25.32	265	266	0.1340
67	14.18	33.980	*****														

KOREA .BUSAN 852 , STATION 400-16 , 34-31.0. N, 128-12.2. E, DEC. 6.1983, 11:05 KST, DEPTH 45 , COLOR 7, TRANS. 4.0,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1020. , AIR TEMP. DRY 10.8, WET , CLOUD. TYPE CI, AMT 02, WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.10	33.650	*****							0	13.10	33.650	*****	25.34	263	263	0.0000
10	13.11	33.640	5.59							10	13.11	33.640	5.59	25.33	264	264	0.0264
20	13.12	33.650	5.49							20	13.12	33.650	5.49	25.34	264	264	0.0528
30	13.17	33.690	5.44							30	13.17	33.690	5.44	25.36	262	262	0.0792
42	13.18	33.680	5.39														

KOREA .BUSAN 852 , STATION 400-17 , 34-27.0. N, 128-00.5. E, DEC. 6.1983, 12:30 KST, DEPTH 40 , COLOR 7, TRANS. 5.0,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1020. , AIR TEMP. DRY 9.7, WET , CLOUD. TYPE CI, AMT 07, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.78	33.500	5.64							0	12.78	33.500	5.64	25.29	268	268	0.0000
10	12.80	33.490	5.59							10	12.80	33.490	5.59	25.28	269	269	0.0269
20	12.76	33.490	5.75							20	12.76	33.490	5.75	25.29	269	269	0.0538
30	12.74	33.510	5.64							30	12.74	33.510	5.64	25.31	267	267	0.0807
38	12.73	33.630	5.59														

KOREA .BUSAN 852 , STATION 400-22 , 33-44.3. N, 128-23.9. E, DEC. 6.1983, 22:00 KST, DEPTH 110 , COLOR , TRANS. .

WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1020.5, AIR TEMP. DRY 11.6, WET , CLOUD. TYPE CC, AMT 06, WEATHER BC,

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	15.55	34.000	5.20							0	15.55	34.000	5.20	25.09	287	287	0.0000
10	15.53	33.990	5.20							10	15.53	33.990	5.20	25.09	287	287	0.0287
20	15.52	34.000	5.29							20	15.52	34.000	5.29	25.10	286	287	0.0574
30	15.52	34.020	5.44							30	15.52	34.020	5.44	25.12	285	285	0.0861
50	15.52	34.030	5.27							50	15.52	34.030	5.27	25.12	284	285	0.1433
75	15.40	34.110	5.01							75	15.40	34.110	5.01	25.21	276	278	0.2137
100	15.37	34.330	4.76							100	15.37	34.330	4.76	25.39	259	262	0.2812

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,BUSAN 852 , STATION 400-24 , 33-35.6. N, 127-51.9. E, DEC. 6.1983, 18:00 KST, DEPTH 109 , COLOR , TRANS.																	
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1021. , AIR TEMP. DRY 13.2, WET , CLOUD. TYPE SC, AMT 03, WEATHER BC,																	
0	20.04	34.510	5.02							0	20.04	34.510	5.02	24.39	354	354	0.0000
10	20.03	34.540	5.05							10	20.03	34.540	5.05	24.42	351	351	0.0352
20	20.05	34.580	5.10							20	20.05	34.580	5.10	24.44	349	349	0.0703
30	20.01	34.610	5.10							30	20.01	34.610	5.10	24.48	346	347	0.1052
50	19.72	34.610	5.20							50	19.72	34.610	5.20	24.55	339	340	0.1739
75	19.36	34.620	5.10							75	19.36	34.620	5.10	24.65	329	331	0.2579
100	19.43	34.700	5.15							100	19.43	34.700	5.15	24.70	325	328	0.3404
KOREA ,BUSAN 852 , STATION 400-25 , 33-33.6. N, 127-34.0. E, DEC. 8.1983, 16:20 KST, DEPTH 102 , COLOR 3, TRANS. 15.0,																	
WAVE NW 3, SWELL NW 2, WIND NW 3, BARO 1020.3, AIR TEMP. DRY 12.9, WET , CLOUD. TYPE CI, AMT 04, WEATHER BC,																	
0	20.51	34.670	5.10							0	20.51	34.670	5.10	24.39	354	354	0.0000
10	20.41	34.680	5.00							10	20.41	34.680	5.00	24.42	351	351	0.0352
20	20.39	34.660	5.10							20	20.39	34.660	5.10	24.41	352	352	0.0704
30	20.37	34.660	5.08							30	20.37	34.660	5.08	24.42	351	352	0.1057
50	20.27	34.660	5.08							50	20.27	34.660	5.08	24.45	349	350	0.1760
75	20.19	34.640	5.00							75	20.19	34.640	5.00	24.45	348	350	0.2637
100	20.06	34.620	5.00							100	20.06	34.620	5.00	24.47	346	349	0.3512
KOREA ,BUSAN 852 , STATION 400-26 , 33-31.7. N, 127-11.8. E, DEC. 8.1983, 14:50 KST, DEPTH 116 , COLOR 3, TRANS. 14.0,																	
WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1020.3, AIR TEMP. DRY 11.9, WET , CLOUD. TYPE AC, AMT 07, WEATHER BC,																	
0	20.70	34.700	5.00							0	20.70	34.700	5.00	24.36	357	357	0.0000
10	20.51	34.700	5.00							10	20.51	34.700	5.00	24.41	352	352	0.0354
20	20.52	34.670	4.90							20	20.52	34.670	4.90	24.39	354	355	0.0708

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	20.53	34.690	4.95							30	20.53	34.690	4.95	24.40	353	354	0.1063
50	20.50	34.690	*****							50	20.50	34.690	4.92	24.41	352	354	0.1771
75	20.49	34.690	4.90							75	20.49	34.690	4.90	24.41	352	354	0.2658
100	20.16	34.620	4.74							100	20.16	34.620	4.74	24.44	349	352	0.3542
113	16.20	34.660	4.72														

KOREA ,BUSAN 852 , STATION 400-27 , 33-30.3. N. 127-04.5. E, DEC. 8.1983, 13:15 KST, DEPTH 126 , COLOR 3, TRANS. 15.0,
WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1020. , AIR TEMP. DRY 11.7, WET , CLOUD. TYPE AC, AMT 07, WEATHER BC,

0	19.70	34.380	5.21							0	19.70	34.380	5.21	24.38	355	355	0.0000
10	19.54	34.420	5.19							10	19.54	34.420	5.19	24.45	346	348	0.0351
20	19.53	34.640	5.10							20	19.53	34.640	5.10	24.62	332	332	0.0692
30	19.46	34.610	5.09							30	19.46	34.610	5.09	24.62	332	333	0.1025
50	18.21	34.640	5.20							50	18.21	34.640	5.20	24.96	300	301	0.1660
75	18.22	34.640	5.10							75	18.22	34.640	5.10	24.96	300	302	0.2415
100	18.21	34.630	5.09							100	18.21	34.630	5.09	24.95	301	303	0.3173
123	17.55	34.690	5.05														

第四編

浮 游 生 物 調 査 成 績

P A R T 4

PLANKTON DATA

1 9 8 3

東海浮游生物調查成績

PLANKTON DATA: EASTERN WATERS

1 9 8 3

107 線　浮游生物　調査表

Plankton Data, Line 107

Month	Feb.				Apr.			
Station	01	03	05	07	01	03	05	07
Date	22	22	22	22	8	8	8	8
Time	11:50	14:15	18:28	23:00	08:40	11:05	15:20	20:20
Col. depth(m)***	50	100	100	100	50	100	100	100
Set. volume(cc)**	1.5	3.2	0.3	1.3	8.0	7.0	6.0	7.6
Biomass(mg/m³)	18.87	44.03	6.29	31.45	207.54	88.05	100.63	138.36
Copepoda*	816	2275	416	1409	3620	3560	3140	2724
Amphipoda*	91	32	7	35	21	33	23	88
Chaetognatha*	0	16	2	32	40	18	35	8
Euphausia* Adult	0	0	0	0	0	0	1	3
Euphausia* Larva	3	2	0	0	0	0	3	9

Month	Jun.				Aug.			
Station	01	03	05	07	01	03	05	07
Date	7	7	7	7	13	13	19	19
Time	10:00	12:35	16:50	21:35	09:50	11:45	10:25	14:40
Col. depth(m)	50	100	100	100	50	100	100	100
Set. volume(cc)	0.2	0.3	0.9	2.2	1.1	2.8	3.0	5.5
Biomass(mg/m³)	3.77	5.03	9.43	28.30	37.74	40.88	36.48	58.49
Copepoda	616	648	1780	2860	930	1160	1876	2720
Amphipoda	1	0	7	52	28	16	15	104
Chaetognatha	3	1	0	4	142	184	57	160
Euphausia Adult	0	0	0	5	0	0	0	0
Euphausia Larva	2	12	29	11	20	25	21	24

Month	Oct.				Dec.			
Station	01	03	05	07	01	03	05	07
Date	15	15	15	15	16	17	18	18
Time	06:30	09:45	14:00	18:50	10:00	08:50	12:30	17:00
Col. depth(m)	50	100	100	100	50	100	100	100
Set. volume(cc)	1.2	1.5	1.0	1.0	0.8	0.8	0.7	0.3
Biomass(mg/m³)	18.87	12.58	6.29	9.43	23.90	12.58	9.43	6.29
Copepoda	320	1176	896	792	820	1596	788	1114
Amphipoda	4	6	2	48	15	16	3	1
Chaetognatha	144	112	48	54	50	4	8	19
Euphausia Adult	3	1	3	4	2	0	0	0
Euphausia Larva	1	0	0	0	8	1	0	0

*** Col.:Collection　　** Set.:Settling　　* Individual No.

106線 浮游生物 調査表

Plankton Data, Line 106

Month		Feb.					Apr.				
Station		03	05	07	09	11	03	05	07	09	11
Date		24	23	23	23	23	9	9	9	9	9
Time		01:20	21:35	16:25	11:25	06:50	20:00	18:50	14:25	09:25	04:30
Col. depth(m)		100	100	100	100	100	100	100	100	100	100
Set. volume(cc)		3.0	2.3	1.2	0.4	0.8	6.0	6.3	1.0	1.8	2.8
Biomass(mg／m³)		44.03	44.03	18.87	18.87	28.30	182.39	150.94	18.87	37.74	53.46
Copepoda		2720	1362	1186	170	1160	4821	6846	1224	2536	1496
Amphipoda		6	11	7	4	24	94	238	5	8	13
Chaetognatha		34	16	23	4	33	18	5	2	0	12
Euphausia	Adult	0	2	0	0	0	10	0	0	3	1
	Larva	3	1	2	0	0	0	0	5	3	2

Month		Jun.					Aug.				
Station		03	05	07	09	11	03	05	07	09	11
Date		9	9	9	9	10	20	20	20	20	19
Time		08:45	12:20	17:10	21:50	03:10	13:20	10:05	05:50	01:35	21:20
Col. depth(m)		100	100	100	100	100	100	100	100	100	100
Set. volume(cc)		0.2	2.9	1.3	10.5	5.0	4.8	4.0	3.6	12.0	5.0
Biomass(mg／m³)		4.40	34.59	18.87	88.05	59.75	75.47	50.31	37.74	163.52	91.19
Copepoda		416	4320	5692	8160	7080	2080	1264	612	2491	2732
Amphipoda		88	134	184	182	344	53	57	64	315	59
Chaetognatha		2	16	5	164	272	280	97	296	542	219
Euphausia	Adult	0	0	0	5	0	0	4	3	18	3
	Larva	0	39	16	37	112	11	3	2	112	56

Month		Oct.					Dec.				
Station		03	05	07	09	11	03	05	07	09	11
Date		16	16	16	16	16	8	8	8	7	4
Time		20:10	17:00	11:50	07:05	02:20	21:50	18:00	13:10	08:30	13:30
Col. depth(m)		100	100	100	100	100	100	100	100	100	100
Set. volume(cc)		6.6	5.6	4.0	3.5	5.5	3.0	0.1	0.1	1.2	2.2
Biomass(mg／m³)		81.76	56.60	44.03	37.74	45.28	56.60	1.26	1.26	15.72	37.74
Copepoda		2090	2408	2080	2456	1912	6600	430	286	1696	4088
Amphipoda		36	41	14	33	31	58	1	1	16	28
Chaetognatha		360	512	264	294	656	117	4	2	114	94
Euphausia	Adult	71	70	47	8	46	2	0	0	0	28
	Larva	19	20	7	2	2	14	0	0	1	0

105 線 浮游生物 調査表

Plankton Data, Line 105

Month		Feb.					Apr.				
Station		03	05	07	09	11	03	05	07	09	11
Date		16	16	14	14	4	12	12	12	12	12
Time		05:20	07:50	18:00	12:50	18:40	07:50	09:50	14:35	19:20	23:50
Col.depth(m)		50	100	100	100	100	50	100	100	100	100
Set.volume(cc)		0.4	3.0	1.8	1.0	0.5	14.0	5.3	2.2	1.8	2.8
Biomass(mg／m^3)		12.58	56.60	37.74	25.16	84.34	918.24	157.23	40.88	37.74	44.03
Copepoda		204	1843	1052	276	564	24015	2720	1598	2724	1216
Amphipoda		3	58	13	4	18	48	52	22	58	15
Chaetognatha		10	72	80	42	68	8	20	6	7	5
Euphausia	Adult	1	0	3	0	0	1	1	0	0	3
	Larva	1	5	9	1	13	2	3	0	24	6

Month		Jun.					Aug.				
Station		03	05	07	09	11	03	05	07	09	11
Date		12	11	11	10	10	12	12	12	12	11
Time		04:05	23:20	18:15	10:35	06:00	12:30	10:35	06:20	02:05	21:50
Col.depth(m)		50	100	100	100	100	50	100	100	100	100
Set.volume(cc)		7.9	4.9	3.5	0.8	6.1	1.2	2.7	2.0	4.0	4.0
Biomass(mg／m^3)		266.67	61.01	37.74	6.29	69.18	31.45	37.74	25.16	169.81	50.31
Copepoda		21803	4320	2880	968	9960	1480	3296	1040	1184	1744
Amphipoda		200	303	18	12	344	55	37	35	36	86
Chaetognatha		83	55	4	7	366	145	56	112	56	218
Euphausia	Adult	6	1	0	0	0	5	2	0	2	0
	Larva	4	31	7	12	82	48	4	2	13	2

Month		Oct.					Dec.				
Station		03	05	07	09	11	03	05	07	09	11
Date		19	19	12	12	11	6	6	6	7	4
Time		18:10	20:10	14:25	09:45	02:25	13:50	15:35	20:10	01:00	16:00
Col.depth(m)		50	100	100	100	100	50	100	100	100	100
Set.volume(cc)		3.5	4.0	3.5	2.1	4.0	0.5	1.9	1.1	0.3	1.0
Biomass(mg／m^3)		75.47	62.89	44.03	25.16	37.74	12.58	28.30	12.58	5.03	12.58
Copepoda		728	1136	1008	1204	2216	2180	6200	808	856	1842
Amphipoda		4	55	46	65	30	2	4	7	6	42
Chaetognatha		139	272	127	216	264	23	139	13	26	220
Euphausia	Adult	81	52	8	13	7	0	1	0	2	0
	Larva	14	10	2	2	1	0	1	3	3	1

104 線 浮游生物 調査表

Plankton Data, Line 104

Month		Feb.				Apr.			
Station		05	07	09	11	05	07	09	11
Date		4	4	4	4	13	13	13	13
Time		00:45	04:40	09:40	14:35	18:15	14:30	09:30	03:50
Col. depth(m)		100	100	100	100	100	100	100	100
Set. volume(cc)		4.0	1.8	2.0	0.5	2.5	0.2	1.0	2.9
Biomass(mg/m³)		62.89	50.31	94.34	75.47	37.74	12.58	15.72	69.18
Copepoda		1488	802	1450	238	2450	202	280	3019
Amphipoda		10	9	132	34	15	1	1	2
Chaetognatha		274	304	288	16	16	0	0	8
Euphausia	Adult	21	2	0	2	0	1	1	3
	Larva	2	9	26	27	0	20	44	96

Month		Jun.				Aug.			
Station		05	07	09	11	05	07	09	11
Date		14	14	14	15	11	11	11	11
Time		07:05	10:40	15:15	08:30	06:35	09:45	14:05	18:15
Col. depth(m)		100	100	100	100	100	100	100	100
Set. volume(cc)		3.5	0.3	1.2	1.5	4.2	3.0	4.1	1.5
Biomass(mg/m³)		62.89	2.52	13.84	15.84	75.47	31.45	50.31	15.72
Copepoda		9320	280	3328	4400	6360	2240	1280	664
Amphipoda		119	3	11	1	72	15	12	6
Chaetognatha		68	0	80	24	52	68	88	112
Euphausia	Adult	0	0	0	0	5	0	1	0
	Larva	4	0	8	6	24	6	8	3

Month		Oct.				Dec.			
Station		05	07	09	11	05	07	09	11
Date		10	10	10	10	5	5	5	4
Time		07:25	12:00	17:20	22:10	09:50	06:10	01:10	19:55
Col. depth(m)		100	100	100	100	100	100	100	100
Set. volume(cc)		3.2	8.0	5.0	9.0	1.1	1.2	0.4	0.3
Biomass(mg/m³)		44.03	81.76	62.89	132.08	18.87	12.58	3.14	3.14
Copepoda		1600	2416	1870	2376	4448	1384	744	648
Amphipoda		19	31	113	51	9	13	2	10
Chaetognatha		512	520	648	744	50	14	6	12
Euphausia	Adult	6	20	10	11	0	4	0	2
	Larva	2	1	2	1	0	5	0	2

103線　浮游生物　調査表

Plankton Data, Line 103

Month		Feb.				Apr.			
Station		05	07	09	11	05	07	09	11
Date		11	11	11	12	19	19	19	19
Time		13:40	16:45	21:00	01:15	12:35	09:30	05:15	01:10
Col. depth(m)		100	100	100	100	100	100	100	100
Set. volume(cc)		1.6	9.0	10.6	13.0	2.0	1.6	5.1	10.0
Biomass(mg／m^3)		29.56	424.53	319.50	628.93	42.77	19.50	65.41	180.50
Copepoda		351	29	0	53	242	275	693	299
Amphipoda		2	81	7	11	1	0	0	9
Chaetognatha		5	8	0	7	2	0	0	0
Euphausia	Adult	0	0	0	0	1	0	2	3
	Larva	0	23	0	35	11	0	3	4

Month		Jun.				Aug.			
Station		05	07	09	11	05	07	09	11
Date		15	15	15	15	9	9	9	9
Time		12:25	09:20	05:05	00:50	12:15	09:10	04:55	00:40
Col. depth(m)		100	100	100	100	100	100	100	100
Set. volume(cc)		3.8	3.9	2.0	6.0	2.0	4.5	5.0	2.8
Biomass(mg／m^3)		70.44	48.43	12.58	59.75	36.48	54.72	86.79	32.70
Copepoda		1440	774	160	376	232	344	1168	62
Amphipoda		22	0	14	0	24	38	48	17
Chaetognatha		16	7	4	16	6	30	11	1
Euphausia	Adult	0	0	0	80	0	1	6	4
	Larva	26	0	3	59	12	1	8	10

Month		Oct.				Dec.			
Station		05	07	09	11	05	07	09	11
Date		26	26	26	25	3	3	3	4
Time		10:15	07:25	03:30	23:35	13:30	16:20	20:35	00:50
Col. depth(m)		100	100	100	100	100	100	100	100
Set. volume(cc)		4.7	5.8	9.7	5.0	2.5	1.3	4.0	4.0
Biomass(mg／m^3)		37.74	79.25	117.61	81.76	31.45	5.03	40.25	71.70
Copepoda		228	183	392	204	657	124	400	584
Amphipoda		2	3	62	39	0	3	6	18
Chaetognatha		5	6	9	8	11	2	3	16
Euphausia	Adult	0	0	2	0	2	1	1	0
	Larva	4	3	18	8	3	2	0	1

102線 浮游生物 調査表

Plankton Data, Line 102

Month		Feb.				Apr.			
Station		05	07	09	11	05	07	09	11
Date		6	9	12	12	18	18	18	18
Time		13:50	13:35	08:40	04:25	10:55	13:25	17:40	21:55
Col.depth(m)		100	100	100	100	100	100	100	100
Set.volume(cc)		0.5	9.0	2.0	10.0	4.2	3.8	3.1	10.0
Biomass(mg／m^3)		18.87	408.18	93.08	154.09	47.80	52.83	28.93	877.99
Copepoda		57	35	4	45	522	693	494	215
Amphipoda		0	18	0	7	0	1	0	16
Chaetognatha		0	12	2	0	0	0	0	3
Euphausia	Adult	0	32	1	0	0	0	0	5
	Larva	0	0	2	9	11	0	0	13

Month		Jun.				Aug.			
Station		05	07	09	11	05	07	09	11
Date		11	14	14	14	8	8	8	8
Time		03:05	13:15	17:30	21:45	10:35	13:05	17:20	21:35
Col.depth(m)		100	100	100	100	100	100	100	100
Set.volume(cc)		6.2	5.0	5.0	6.0	4.2	3.0	3.5	1.8
Biomass(mg／m^3)		141.51	81.13	41.51	91.82	75.47	61.64	62.26	25.16
Copepoda		688	528	728	340	616	915	712	112
Amphipoda		4	17	17	37	21	13	14	4
Chaetognatha		24	7	4	5	8	9	15	7
Euphausia	Adult	10	1	0	7	3	4	0	0
	Larva	131	16	4	36	13	20	27	10

Month		Oct.				Dec.			
Station		05	07	09	11	05	07	09	11
Date		22	25	25	25	4	4	4	4
Time		13:20	13:00	16:55	20:50	15:15	12:30	08:15	04:00
Col.depth(m)		100	100	100	100	100	100	100	100
Set.volume(cc)		3.2	3.7	6.8	6.0	1.5	1.0	2.0	1.2
Biomass(mg／m^3)		58.49	42.77	74.21	64.15	20.13	3.14	17.61	11.95
Copepoda		90	170	176	136	276	32	399	128
Amphipoda		10	10	6	8	0	1	1	2
Chaetognatha		11	6	21	16	12	0	6	1
Euphausia	Adult	0	0	2	4	0	0	0	1
	Larva	5	7	1	3	2	0	3	2

209線 浮游生物 調査表

Plankton Data, Line 209

Month		Feb.				Apr.			
Station		05	07	09	11	05	07	09	11
Date		6	6	6	5	14	13	13	13
Time		09:55	07:05	03:15	23:25	02:20	23:30	19:40	15:50
Col.depth(m)		100	100	100	100	100	100	100	100
Set.volume(cc)		8.0	3.0	9.0	8.8	2.0	6.0	5.0	1.5
Biomass(mg／m^3)		144.65	44.03	264.15	313.84	34.59	132.08	77.36	15.72
Copepoda		350	96	71	116	896	1095	555	172
Amphipoda		1	0	15	72	0	37	48	0
Chaetognatha		18	3	5	57	0	0	1	0
Euphausia	Adult	39	16	5	4	0	3	0	0
	Larva	6	5	15	25	11	28	35	0

Month		Jun.				Aug.			
Station		05	07	09	11	05	07	09	11
Date		10	10	10	10	6	6	6	5
Time		23:10	20:20	16:30	12:40	07:40	04:50	01:00	21:10
Col.depth(m)		100	100	100	100	100	100	100	100
Set.volume(cc)		2.5	5.5	1.9	4.9	2.0	7.0	6.0	8.0
Biomass(mg／m^3)		32.08	66.69	22.01	58.49	31.45	100.62	84.28	88.05
Copepoda		657	663	559	429	175	1140	558	400
Amphipoda		0	13	12	47	3	7	11	12
Chaetognatha		19	1	15	3	3	12	23	37
Euphausia	Adult	0	0	3	0	0	0	0	0
	Larva	0	10	2	7	2	22	2	4

Month		Oct.				Dec.			
Station		05	07	09	11	05	07	09	11
Date		22	22	22	22	5	5	5	5
Time		11:05	08:15	04:25	00:55	12:50	15:40	19:30	23:20
Col.depth(m)		100	100	100	100	100	100	100	100
Set.volume(cc)		19.8	20.1	2.8	6.3	3.8	4.3	1.5	1.5
Biomass(mg／m^3)		223.27	283.02	30.82	72.33	9.43	46.54	15.72	16.98
Copepoda		705	682	118	240	288	260	47	68
Amphipoda		44	37	2	10	21	20	10	9
Chaetognatha		42	12	11	7	43	36	4	5
Euphausia	Adult	5	0	0	2	0	2	0	0
	Larva	16	22	4	3	0	3	1	0

208 線 浮游生物 調査表

Plankton Data, Line 208

Month		Feb.					Apr.				
Station		01	03	05	07	09	01	03	05	07	09
Date		5	5	5	5	5	13	13	13	13	13
Time		08:20	10:50	13:45	16:25	19:05	00:50	03:20	06:10	08:55	11:35
Col. depth(m)		70	100	100	100	100	70	100	100	100	100
Set. volume(cc)		0.5	3.9	2.2	2.5	2.2	1.2	12.2	4.5	4.0	16.0
Biomass(mg/m^3)		10.78	50.31	64.15	30.19	33.33	20.66	227.67	59.75	60.38	117.61
Copepoda		98	819	936	552	513	157	480	48	477	870
Amphipoda		0	0	13	4	0	0	0	0	0	0
Chaetognatha		3	6	8	21	0	1	0	0	0	0
Euphausia	Adult	1	0	0	0	0	0	2	0	0	0
	Larva	0	4	0	32	5	5	24	0	0	0

Month		Jun.					Aug.				
Station		01	03	05	07	09	01	03	05	07	09
Date		9	10	10	10	–	5	5	5	5	5
Time		21:35	00:05	02:55	05:40	–	06:10	08:40	11:30	14:15	16:55
Col. depth(m)		70	100	100	100	–	70	100	100	100	100
Set. volume(cc)		2.6	3.5	4.0	3.2	–	2.3	3.2	8.0	5.0	0.9
Biomass(mg/m^3)		86.25	39.62	68.55	35.22	–	79.07	64.78	107.50	55.35	12.58
Copepoda		75	216	1080	770	–	345	550	847	576	64
Amphipoda		2	30	3	0	–	18	13	16	2	3
Chaetognatha		2	6	1	11	–	15	69	43	44	7
Euphausia	Adult	8	5	4	0	–	3	1	5	0	0
	Larva	7	5	19	6	–	43	6	8	4	0

Month		Oct.					Dec.				
Station		01	03	05	07	09	01	03	05	07	09
Date		21	21	21	21	21	6	6	6	6	6
Time		09:50	12:20	15:10	17:55	20:35	14:25	11:50	09:00	06:20	03:40
Col. depth(m)		70	100	100	100	100	70	100	100	100	100
Set. volume(cc)		6.3	1.2	9.1	2.5	5.1	0.2	1.6	8.0	2.0	9.0
Biomass(mg/m^3)		143.76	4.40	64.15	11.95	52.83	12.58	13.21	61.01	24.53	91.19
Copepoda		170	43	264	72	252	24	73	245	84	216
Amphipoda		6	1	5	6	7	0	11	16	2	4
Chaetognatha		8	3	7	13	3	4	5	56	14	24
Euphausia	Adult	0	0	0	0	0	0	0	5	3	45
	Larva	15	5	3	1	4	0	0	3	2	20

南海浮游生物調査成績

PLANKTON DATA: SOUTHERN WATERS

1 9 8 3

207 線 浮游生物 調査表

Plankton Data, Line 207

Month		Feb.			Apr.		
Station		01	03	05	01	03	05
Date		5	5	5	12	12	12
Time		04:45	03:05	01:25	21:10	19:30	17:45
Col.depth(m)		84	100	100	84	100	100
Set.volume(cc)		2.8	5.6	5.0	1.8	5.0	3.7
Biomass(mg／m^3)		39.70	57.23	61.64	23.97	54.09	80.50
Copepoda		204	378	528	154	264	504
Amphipoda		0	3	0	0	0	0
Chaetognatha		12	12	29	2	3	0
Euphausia	Adult	0	13	0	1	0	0
	Larva	1	7	7	10	22	13

Month		Jun.			Aug.		
Station		01	03	05	01	03	05
Date		8	8	8	3	3	3
Time		12:45	11:05	09:20	11:50	13:45	16:00
Col.depth(m)		84	100	100	84	100	100
Set.volume(cc)		2.4	3.0	26.0	3.0	3.1	2.0
Biomass(mg／m^3)		21.72	49.69	280.50	29.21	2.52	16.35
Copepoda		260	61	1098	880	880	1488
Amphipoda		1	1	10	2	13	7
Chaetognatha		17	0	19	16	16	22
Euphausia	Adult	0	0	0	1	0	0
	Larva	7	0	3	4	6	4

Month		Oct.			Dec.		
Station		01	03	05	01	03	05
Date		19	19	17	6	6	6
Time		13:40	15:20	23:45	17:50	19:30	21:10
Col.depth(m)		84	100	100	84	100	100
Set.volume(cc)		7.5	8.1	9.3	2.3	5.0	6.0
Biomass(mg／m^3)		123.60	73.58	132.70	38.20	52.83	62.89
Copepoda		230	304	432	120	213	134
Amphipoda		15	12	7	7	3	15
Chaetognatha		13	9	19	31	49	19
Euphausia	Adult	0	0	1	0	24	2
	Larva	8	27	21	2	0	0

206線 浮游生物 調査表

Plankton Data, Line 206

Month		Feb.			Apr.		
Station		01	03	05	01	03	05
Date		4	4	4	12	12	12
Time		15:50	18:20	21:00	08:55	11:10	13:40
Col. depth(m)		62	94	100	62	94	100
Set. volume(cc)		1.7	7.9	5.0	6.0	3.8	7.8
Biomass(mg／m³)		103.45	100.40	42.77	222.11	78.98	154.72
Copepoda		387	1134	495	1044	522	792
Amphipoda		0	0	0	9	0	0
Chaetognatha		6	13	19	7	0	0
Euphausia	Adult	0	0	0	0	0	0
	Larva	8	5	6	13	0	0

Month		Jun.			Aug.		
Station		01	03	05	01	03	05
Date		7	8	8	4	4	4
Time		23:50	02:20	05:00	10:30	12:40	15:50
Col. depth(m)		62	94	100	60	94	100
Set. volume(cc)		3.2	7.6	10.0	1.4	0.9	5.8
Biomass(mg／m³)		70.99	101.07	129.56	73.38	13.39	39.62
Copepoda		468	266	624	3040	336	2000
Amphipoda		2	2	7	3	0	0
Chaetognatha		4	7	2	19	11	35
Euphausia	Adult	0	235	3	0	0	0
	Larva	2	80	3	4	0	28

Month		Oct.			Dec.		
Station		01	03	05	01	03	05
Date		17	17	17	7	7	7
Time		14:15	16:45	19:25	06:40	04:10	01:30
Col. depth(m)		62	94	100	62	94	100
Set. volume(cc)		2.0	8.0	9.0	2.8	6.5	7.0
Biomass(mg／m³)		19.27	111.11	117.61	52.74	135.21	59.12
Copepoda		15	210	525	57	290	120
Amphipoda		4	9	5	1	25	24
Chaetognatha		9	16	23	9	23	14
Euphausia	Adult	0	0	1	31	0	32
	Larva	2	12	14	2	2	8

205線 浮游生物 調査表

Plankton Data, Line 205

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	4	4	3	9	9	9
Time	06:05	03:50	23:40	12:10	10:00	06:10
Col. depth(m)	54	86	110	54	80	115
Set. volume(cc)	0.2	1.2	1.0	3.5	8.0	4.0
Biomass(mg／m³)	46.62	10.24	11.44	32.63	67.61	22.43
Copepoda	880	400	480	560	1200	400
Amphipoda	0	0	1	0	0	1
Chaetognatha	3	2	3	4	3	6
Euphausia Adult	0	0	0	0	0	0
Euphausia Larva	2	2	2	9	41	12

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	9	9	8	6	5	5
Time	05:10	03:00	23:40	12:30	09:00	00:30
Col. depth(m)	52	80	116	50	80	115
Set. volume(cc)	3.5	9.8	23.8	1.6	3.1	8.3
Biomass(mg／m³)	89.48	145.44	205.53	28.93	36.16	64.55
Copepoda	1200	880	560	280	800	640
Amphipoda	2	2	7	0	6	1
Chaetognatha	3	8	7	18	3	21
Euphausia Adult	0	0	0	0	0	0
Euphausia Larva	3	19	14	10	1	29

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	12	12	12	7	7	6
Time	08:20	06:00	02:00	05:40	03:00	23:40
Col. depth(m)	54	85	115	54	85	117
Set. volume(cc)	11.0	6.8	13.0	1.8	18.0	1.4
Biomass(mg／m³)	221.45	87.34	185.45	89.74	262.03	7.53
Copepoda	1680	2040	2064	2000	4400	1280
Amphipoda	10	28	30	2	30	4
Chaetognatha	149	93	84	15	77	19
Euphausia Adult	0	0	5	5	96	4
Euphausia Larva	11	23	15	0	12	1

204 線 浮游生物 調査表

Plankton Data, Line 204

Month		Feb.			Apr.		
Station		02	04	06	02	04	06
Date		4	5	5	9	10	10
Time		08:10	09:50	12:45	14:00	11:30	14:20
Col. depth(m)		30	75	120	28	82	120
Set. volume(cc)		0.8	0.2	1.5	1.0	0.8	4.0
Biomass(mg/m^3)		8.39	5.03	12.58	98.88	19.95	26.73
Copepoda		320	320	480	160	800	2000
Amphipoda		1	0	0	0	0	0
Chaetognatha		4	0	3	0	2	0
Euphausia	Adult	1	0	0	0	0	0
	Larva	1	0	1	0	19	49

Month		Jun.			Aug.		
Station		02	04	06	02	04	06
Date		9	10	10	6	7	7
Time		07:10	10:10	12:40	14:30	10:20	13:00
Col. depth(m)		30	75	128	28	75	125
Set. volume(cc)		1.5	1.4	1.1	0.8	2.2	1.2
Biomass(mg/m^3)		62.89	20.13	31.45	15.73	15.94	11.07
Copepoda		800	1280	800	200	320	1600
Amphipoda		0	0	10	2	4	0
Chaetognatha		6	3	0	57	7	1
Euphausia	Adult	0	0	0	0	0	0
	Larva	5	2	2	2	0	4

Month		Oct.			Dec.		
Station		02	04	06	02	04	06
Date		12	14	14	7	8	-
Time		12:20	08:20	12:00	07:40	09:40	-
Col. depth(m)		28	75	125	30	76	-
Set. volume(cc)		2.6	10.0	10.2	2.2	5.5	-
Biomass(mg/m^3)		92.13	162.75	66.94	96.44	106.79	-
Copepoda		1200	2080	1280	1600	2240	-
Amphipoda		0	13	6	2	22	-
Chaetognatha		80	84	50	87	127	-
Euphausia	Adult	0	1	0	3	0	-
	Larva	4	21	7	0	0	-

203 線 浮游生物 調査表

Plankton Data, Line 203

Month		Feb.		Apr.	
Station		01	03	01	03
Date		11	11	15	15
Time		13:15	10:40	12:55	09:40
Col.depth(m)		55	125	55	135
Set.volume(cc)		0.5	1.0	3.0	8.0
Biomass(mg/m^3)		5.72	3.52	41.19	50.79
Copepoda		160	280	1600	4000
Amphipoda		0	0	0	1
Chaetognatha		0	1	2	1
Euphausia	Adult	0	0	0	0
	Larva	0	0	85	41

Month		Jun.		Aug.	
Station		01	03	01	03
Date		14	14	12	12
Time		12:15	09:40	11:50	9:20
Col.depth(m)		60	130	57	135
Set.volume(cc)		1.8	2.2	1.5	1.6
Biomass(mg/m^3)		42.98	79.66	34.22	18.17
Copepoda		12	720	368	1040
Amphipoda		0	41	20	19
Chaetognatha		0	3	50	14
Euphausia	Adult	0	5	0	5
	Larva	0	5	2	0

Month		Oct.		Dec.	
Station		01	03	01	03
Date		19	19	12	12
Time		11:10	08:00	13:40	11:20
Col.depth(m)		57	130	57	135
Set.volume(cc)		11.7	8.9	2.8	4.0
Biomass(mg/m^3)		177.70	113.69	67.33	37.28
Copepoda		2000	2400	1200	1680
Amphipoda		8	14	8	14
Chaetognatha		39	77	50	67
Euphausia	Adult	0	0	0	0
	Larva	98	4	3	2

313線 浮游生物 調査表

Plankton Data, Line 313

Month	Feb.				Apr.			
Station	03	15	07	09	03	05	07	09
Date	11	11	11	10	13	13	13	12
Time	06:40	04:00	01:25	22:55	06:10	03:30	01:00	22:30
Col.depth(*m*)	85	84	75	70	90	70	65	65
Set.volume(cc)	2.2	0.8	0.6	0.5	3.4	5.2	4.0	3.2
Biomass(mg／m³)	32.57	16.48	14.26	7.19	57.30	106.02	60.02	61.96
Copepoda	560	200	160	160	2400	2400	2800	640
Amphipoda	1	0	1	0	2	2	0	1
Chaetognatha	23	0	4	2	3	6	12	8
Euphausia Adult	0	0	1	0	0	0	0	1
Euphausia Larva	0	0	0	1	9	5	26	93

Month	Jun.				Aug.			
Station	04	05	07	09	03	05	07	09
Date	12	12	12	11	11	11	11	11
Time	05:00	03:30	01:00	22:25	07:25	04:45	02:35	00:10
Col.depth(*m*)	88	82	75	70	92	84	72	70
Set.volume(cc)	2.7	4.2	7.5	16.3	4.9	4.9	4.1	10.7
Biomass(mg／m³)	45.75	56.79	156.04	372.87	47.88	119.10	75.98	257.86
Copepoda	1520	1200	1920	3200	1080	4160	2880	2000
Amphipoda	45	2	15	27	15	25	1	13
Chaetognatha	3	29	35	168	45	61	35	72
Euphausia Adult	1	29	90	183	15	18	13	92
Euphausia Larva	4	21	79	144	2	2	3	4

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	17	17	17	17	11	-	11	10
Time	08:50	06:10	03:30	00:50	05:20	-	00:30	22:10
Col.depth(*m*)	90	80	70	75	90	-	72	70
Set.volume(cc)	5.0	4.0	15.0	6.4	14.0	-	5.0	2.2
Biomass(mg／m³)	104.82	82.55	407.01	102.35	294.20	-	93.45	42.23
Copepoda	6800	2000	960	1240	6000	-	5120	1456
Amphipoda	8	2	0	2	44	-	20	1
Chaetognatha	58	44	43	91	261	-	71	87
Euphausia Adult	2	7	5	36	19	-	2	1
Euphausia Larva	346	1	2	3	20	-	0	0

314 線 浮游生物 調査表

Plankton Data, Line 314

Month		Feb.					Apr.				
Station		01	03	05	07	09	01	03	05	07	09
Date		6	6	6	10	10	11	11	11	12	12
Time		01:10	05:10	09:00	11:40	15:15	03:00	06:40	10:15	11:45	15:15
Col.depth(m)		140	105	100	90	80	138	110	100	90	80
Set.volume(cc)		1.0	1.0	0.4	0.4	0.7	11.0	10.0	7.8	4.2	3.2
Biomass(mg/m³)		22.92	11.98	8.81	16.77	13.36	107.57	65.18	54.72	39.83	44.03
Copepoda		720	720	800	160	400	4000	280	1600	1200	180
Amphipoda		0	0	0	0	0	0	0	1	0	3
Chaetognatha		2	2	2	0	3	8	7	2	0	0
Euphausia	Adult	2	2	1	0	0	3	0	0	0	0
	Larva	3	1	1	0	1	4996	43	13	63	15

Month		Jun.					Aug.				
Station		01	03	05	07	09	01	03	05	07	09
Date		11	11	11	11	11	8	8	8	10	10
Time		00:40	04:15	08:00	10:35	15:10	10:40	04:40	08:40	12:00	17:00
Col.depth(m)		140	108	110	90	82	140	100	100	90	80
Set.volume(cc)		20.2	12.5	0.4	1.7	0.9	7.1	0.7	2.0	4.5	2.2
Biomass(mg/m³)		207.19	160.16	1.14	40.53	3.07	39.10	10.06	22.64	32.84	24.37
Copepoda		720	720	18	2400	430	1280	72	288	320	160
Amphipoda		5	7	1	7	4	7	0	5	35	31
Chaetognatha		6	58	1	6	11	76	6	2	14	9
Euphausia	Adult	1	40	0	0	0	0	0	0	0	0
	Larva	3	44	0	1	8	2	3	1	0	1

Month		Oct.					Dec.				
Station		01	03	05	07	09	01	03	05	07	09
Date		15	15	15	16	16	8	9	9	10	10
Time		00:50	04:50	08:20	12:40	16:40	23:40	03:10	06:40	12:00	15:20
Col.depth(m)		130	108	100	90	83	140	110	100	90	80
Set.volume(cc)		10.5	8.3	21.1	9.3	7.0	5.8	13.0	13.4	8.0	11.0
Biomass(mg/m³)		119.98	108.91	189.94	486.37	94.77	81.35	206.98	176.10	118.10	323.90
Copepoda		2400	1536	2000	2720	1680	3360	5600	3600	3280	11200
Amphipoda		7	25	5	2	1	76	40	31	28	37
Chaetognatha		104	93	73	13	37	154	264	138	160	124
Euphausia	Adult	5	22	2	0	0	2	25	6	1	4
	Larva	122	103	28	5	2	8	22	18	6	22

400線 浮游生物 調査表

Plankton Data, Line 400

Month		Feb.					Apr.				
Station		12	14	16	25	27	12	14	16	25	27
Date		3	3	3	5	5	9	8	8	10	10
Time		20:00	14:25	09:50	17:30	13:45	02:10	20:40	16:00	19:10	15:20
Col.depth(m)		100	84	40	103	130	105	70	43	100	120
Set.volume(cc)		1.0	0.8	0.6	1.2	0.8	18.0	5.2	1.0	6.0	7.4
Biomass(mg／m^3)		20.13	21.72	51.89	19.54	4.84	70.70	80.86	40.94	72.96	66.56
Copepoda		640	360	400	1200	400	2240	2000	1600	1600	4000
Amphipoda		2	0	0	0	0	1	1	0	0	0
Chaetognatha		4	0	2	2	0	4	6	6	9	2
Euphausia	Adult	0	0	0	0	0	0	1	0	1	0
	Larva	0	1	2	4	0	56	37	1	26	54

Month		Jun.					Aug.				
Station		12	14	16	25	27	12	14	16	25	27
Date		8	8	8	10	10	4	5	5	7	7
Time		20:00	14:40	10:30	17:10	13:40	20:40	06:20	13:50	17:20	13:50
Col.depth(m)		111	80	40	103	123	110	80	47	108	132
Set.volume(cc)		5.4	1.6	6.4	27.8	9.4	4.8	1.7	3.2	4.2	6.3
Biomass(mg／m^3)		58.39	31.45	383.65	467.32	55.75	35.45	21.23	88.35	44.85	65.30
Copepoda		2000	1200	1120	400	1760	960	800	1760	880	3040
Amphipoda		2	0	0	10	29	1	1	15	2	15
Chaetognatha		0	1	4	1	8	17	5	82	32	20
Euphausia	Adult	1	0	0	0	0	1	0	2	0	0
	Larva	109	63	5	3	3	55	14	9	1	1

Month		Oct.					Dec.				
Station		12	14	16	25	27	12	14	17	25	27
Date		11	11	11	14	14	6	6	6	8	8
Time		22:30	16:40	11:50	17:10	13:10	20:20	15:00	12:30	16:20	13:20
Col.depth(m)		105	83	44	100	130	108	83	45	102	126
Set.volume(cc)		9.3	5.0	8.4	10.0	12.7	8.0	7.0	1.4	13.8	11.2
Biomass(mg／m^3)		85.08	128.13	171.67	130.19	74.02	95.52	87.95	146.85	190.01	138.79
Copepoda		1096	1520	480	1840	1440	2240	1200	704	5840	4160
Amphipoda		13	6	15	3	12	37	28	3	15	44
Chaetognatha		47	70	219	148	49	101	82	15	227	250
Euphausia	Adult	1	0	0	0	0	13	0	0	1	5
	Larva	17	5	1	10	20	18	3	2	17	12

西海浮游生物調査成績

PLANKTON DATA : WESTERN WATERS

1 9 8 3

307 線 浮游生物 調査表

Plankton Data, Line 307

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	3	3	4	4	8	8	9	9
Time	18:10	22:25	01:50	05:15	18:00	22:10	01:25	04:40
Col. depth(m)	30	50	50	60	30	50	50	60
Set. volume(cc)	1.0	2.1	4.8	4.7	1.0	5.1	2.0	1.0
Biomass(mg/m³)	32.22	44.54	93.72	76.92	31.38	21.75	7.06	26.09
Copepoda	50	108	145	273	161	2694	355	174
Amphipoda	0	1	0	0	2	6	2	3
Chaetognatha	14	86	233	202	28	81	28	15
Euphausia Adult	0	0	0	59	0	0	0	0
Euphausia Larva	4	4	15	66	4	24	1	18

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	9	10	10	10	7	7	7	7
Time	19:40	07:05	10:20	13:35	05:00	08:45	11:30	14:25
Col. depth(m)	30	50	50	60	30	50	50	60
Set. volume(cc)	0.4	0.2	0.2	0.5	2.1	2.5	1.5	12.5
Biomass(mg/m³)	49.56	20.16	33.07	26.28	39.08	36.74	15.55	57.31
Copepoda	281	261	341	684	148	245	288	1890
Amphipoda	0	0	0	0	0	0	0	1
Chaetognatha	0	2	2	1	38	176	253	383
Euphausia Adult	0	0	0	0	0	0	0	0
Euphausia Larva	0	0	0	1	5	21	11	25

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	9	9	-	9	7	7	7	7
Time	09:30	13:45	-	20:20	05:10	09:25	12:40	15:55
Col. depth(m)	30	50	-	60	30	50	50	60
Set. volume(cc)	1.5	1.6	-	3.0	0.6	1.4	0.4	1.6
Biomass(mg/m³)	38.31	22.27	-	32.27	15.58	18.38	2.81	11.13
Copepoda	604	507	-	1270	266	495	98	460
Amphipoda	0	0	-	0	0	1	0	0
Chaetognatha	47	22	-	38	0	8	0	14
Euphausia Adult	0	0	-	0	0	0	0	0
Euphausia Larva	33	10	-	7	0	1	0	0

308線　浮游生物　調査表

Plankton Data, Line 308

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	5	5	4	4	4	10	9	9	9	9
Time	03:35	00:15	20:50	17:25	13:55	01:50	22:35	19:30	16:15	13:00
Col. depth(m)	15	40	40	60	70	15	40	40	60	70
Set. volume(cc)	0.6	1.8	1.3	1.9	2.2	1.0	2.5	0.5	3.0	7.2
Biomass(mg/m³)	65.97	79.07	113.79	64.00	29.94	95.38	61.67	24.25	47.93	92.16
Copepoda	36	152	14	54	241	361	1457	391	656	675
Amphipoda	0	0	0	0	0	2	4	0	7	23
Chaetognatha	11	82	12	51	68	12	6	2	71	238
Euphausia Adult	1	0	0	0	1	0	2	0	2	7
Euphausia Larva	4	3	3	116	217	5	14	2	4	72

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	11	11	11	11	10	8	8	8	8	7
Time	11:05	07:50	04:35	01:20	22:00	08:45	05:50	02:55	00:00	21:20
Col. depth(m)	15	40	40	60	70	15	40	40	60	70
Set. volume(cc)	0.5	1.1	1.7	2.0	3.7	2.0	2.3	3.1	12.1	10.1
Biomass(mg/m³)	149.45	54.13	62.39	47.62	49.12	97.69	38.59	21.53	132.20	62.56
Copepoda	242	968	1661	981	2042	58	189	405	90	212
Amphipoda	0	1	0	0	0	1	0	0	0	0
Chaetognatha	4	2	1	6	3	226	196	106	397	325
Euphausia Adult	0	0	0	0	0	0	0	0	0	0
Euphausia Larva	1	1	1	0	0	38	4	3	59	63

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	10	10	10	10	10	8	8	8	8	8
Time	17:40	14:25	11:10	07:55	04:40	13:35	10:15	06:55	03:40	00:20
Col. depth(m)	15	30	40	60	70	15	40	40	60	70
Set. volume(cc)	1.0	3.0	14.0	6.0	4.0	0.5	1.0	2.6	0.2	2.1
Biomass(mg/m³)	38.70	79.16	143.20	53.99	25.28	27.23	17.22	18.55	1.91	16.62
Copepoda	264	1318	1085	1052	1310	35	97	95	72	116
Amphipoda	0	0	0	0	0	0	0	0	0	0
Chaetognatha	9	24	98	76	64	4	13	20	2	29
Euphausia Adult	0	1	0	0	0	0	0	6	0	0
Euphausia Larva	12	30	11	7	10	3	0	11	3	11

309 線 浮游生物 調査表

Plankton Data, Line 309

Month		Feb.					Apr.				
Station		01	03	05	07	09	01	03	05	07	09
Date		16	16	22	22	22	11	11	11	11	11
Time		08:55	13:10	08:35	12:00	15:25	08:50	12:00	15:15	18:25	21:35
Col. depth(m)		20	50	50	60	70	20	50	60	60	70
Set. volume(cc)		1.0	0.8	3.0	3.0	0.8	1.0	0.4	0.5	0.2	0.2
Biomass(mg／m^3)		44.20	77.03	70.66	66.50	13.39	39.53	4.50	13.06	10.77	6.66
Copepoda		103	82	435	233	170	248	82	106	155	63
Amphipoda		0	0	2	3	0	1	0	0	0	0
Chaetognatha		31	7	21	85	5	5	6	1	6	0
Euphausia	Adult	0	0	0	2	0	0	0	0	0	0
	Larva	0	7	136	150	84	0	1	1	0	3

Month		Jun.					Aug.				
Station		01	03	05	07	09	01	03	05	07	09
Date		11	11	15	15	15	9	9	10	10	10
Time		15:00	18:15	10:25	13:40	16:55	09:30	12:30	09:25	12:20	15:10
Col. depth(m)		20	50	60	60	70	20	50	60	60	70
Set. volume(cc)		0.2	0.3	0.3	1.6	1.2	4.2	3.5	7.0	11.4	10.2
Biomass(mg／m^3)		63.67	34.88	15.12	32.85	32.43	32.38	25.45	30.22	19.44	19.75
Copepoda		143	227	490	1586	962	283	188	531	1725	2490
Amphipoda		0	0	0	0	0	0	0	13	0	0
Chaetognatha		0	0	0	12	21	263	222	219	261	202
Euphausia	Adult	0	0	0	0	0	0	0	0	0	0
	Larva	0	1	0	0	0	51	4	4	0	6

Month		Oct.					Dec.				
Station		01	03	05	07	09	01	03	05	07	09
Date		10	12	12	12	12	8	16	17	20	20
Time		21:40	09:40	12:55	16:10	19:25	17:25	21:20	00:35	09:40	12:45
Col. depth(m)		20	50	60	60	70	20	50	60	60	70
Set. volume(cc)		0.8	1.5	4.0	3.0	4.3	0.7	1.1	2.0	1.0	1.2
Biomass(mg／m^3)		28.21	16.89	37.64	29.31	37.54	36.99	6.42	47.78	13.45	12.73
Copepoda		84	352	551	370	529	92	90	1896	927	360
Amphipoda		0	0	1	0	0	0	0	7	2	0
Chaetognatha		7	42	49	128	141	6	9	67	2	8
Euphausia	Adult	0	0	0	0	11	0	0	0	0	0
	Larva	2	17	92	10	15	0	0	32	3	0

310 線 浮游生物 調査表

Plankton Data, Line 310

Month		Feb.				Apr.			
Station		03	05	07	09	03	05	07	09
Date		23	23	23	22	12	12	12	12
Time		10:25	06:20	02:55	23:20	14:45	11:35	08:25	05:10
Col. depth(m)		20	60	70	80	20	60	70	80
Set. volume(cc)		1.1	3.0	3.1	3.8	0.5	1.5	3.0	4.5
Biomass(mg/m³)		129.78	56.87	43.13	76.03	79.00	21.93	46.82	58.25
Copepoda		93	140	238	130	94	75	210	269
Amphipoda		1	3	0	4	1	2	0	5
Chaetognatha		26	196	51	60	0	2	27	30
Euphausia	Adult	11	1	0	14	6	2	15	21
	Larva	1	120	251	15	9	6	21	33

Month		Jun.				Aug.			
Station		03	05	07	09	03	05	07	09
Date		16	16	16	16	–	11	11	10
Time		10:30	07:15	04:00	00:35	–	03:35	00:40	21:50
Col. depth(m)		20	60	70	80	–	60	70	80
Set. volume(cc)		5.2	6.1	5.0	1.0	–	10.0	0.7	1.7
Biomass(mg/m³)		352.16	118.07	109.65	29.22	–	128.85	8.83	37.01
Copepoda		2161	1014	1491	1019	–	1400	62	83
Amphipoda		4	5	2	1	–	2	2	0
Chaetognatha		32	22	31	7	–	345	32	355
Euphausia	Adult	4	0	0	2	–	6	0	0
	Larva	30	117	15	0	–	13	1	20

Month		Oct.				Dec.			
Station		03	05	07	09	03	05	07	09
Date		13	13	13	13	21	21	20	20
Time		13:00	09:45	06:30	03:05	05:10	02:10	23:05	20:00
Col. depth(m)		20	60	70	80	20	60	70	80
Set. volume(cc)		1.0	3.8	11.2	8.0	0.3	2.0	1.1	2.7
Biomass(mg/m³)		173.00	51.92	131.00	54.58	13.39	26.81	14.86	13.80
Copepoda		711	558	610	418	37	246	574	926
Amphipoda		9	4	7	5	0	1	6	1
Chaetognatha		153	114	309	135	4	24	21	68
Euphausia	Adult	1	0	6	1	0	0	0	0
	Larva	18	8	22	5	0	35	63	1

311 線 浮游生物 調査表

Plankton Data, Line 311

Month	Feb.			Apr.		
Station	05	07	09	05	07	09
Date	23	27	27	12	17	17
Time	17:20	05:45	09:10	21:25	01:40	04:55
Col. depth(m)	70	80	80	70	80	80
Set. volume(cc)	8.0	4.2	1.0	6.0	5.0	80
Biomass(mg/m³)	42.05	67.37	58.42	23.09	30.76	81.35
Copepoda	415	131	253	274	511	1518
Amphipoda	2	1	0	8	3	28
Chaetognatha	57	108	98	26	32	114
Euphausia Adult	3	6	0	4	0	24
Euphausia Larva	134	104	13	7	7	32

Month	Jun.			Aug.		
Station	05	07	09	05	07	09
Date	16	17	17	11	12	12
Time	17:20	12:10	17:10	12:20	09:30	12:25
Col. depth(m)	70	80	80	70	80	80
Set. volume(cc)	1.2	4.2	3.0	8.2	0.5	5.1
Biomass(mg/m³)	26.59	89.50	24.47	126.87	13.07	26.91
Copepoda	1537	1496	1359	1168	257	587
Amphipoda	8	6	2	18	0	7
Chaetognatha	13	11	17	162	14	335
Euphausia Adult	5	0	2	0	0	0
Euphausia Larva	43	17	5	11	1	4

Month	Oct.			Dec.		
Station	05	07	09	05	07	09
Date	13	15	15	21	21	21
Time	19:40	10:20	13:55	11:45	15:50	19:05
Col. depth(m)	70	80	80	70	80	80
Set. volume(cc)	2.5	2.2	5.0	2.8	0.7	2.3
Biomass(mg/m³)	19.83	28.67	10.65	38.03	9.20	21.86
Copepoda	119	384	270	544	193	518
Amphipoda	0	3	0	4	0	1
Chaetognatha	55	94	25	85	19	53
Euphausia Adult	0	0	0	7	0	0
Euphausia Larva	23	8	2	13	8	57

312 線　浮游生物 調査表

Plankton Data, Line 312

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	28	28	27	27	17	17	17	17
Time	04:50	01:20	21:05	17:40	23:40	20:25	16:30	13:15
Col.depth(m)	60	80	80	80	60	80	80	80
Set.volume(cc)	7.0	0.8	4.5	4.0	1.0	3.6	1.2	4.0
Biomass(mg/m³)	110.71	12.78	54.40	11.01	31.25	51.19	18.42	17.92
Copepoda	140	99	168	118	439	985	709	577
Amphipoda	2	1	0	0	0	2	1	0
Chaetognatha	43	35	92	20	5	7	4	5
Euphausia Adult	6	0	3	0	0	11	0	4
Euphausia Larva	1	2	4	9	3	18	32	1

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	18	18	18	17	19	18	18	18
Time	10:35	07:15	03:10	23:50	00:35	21:45	18:15	15:25
Col.depth(m)	60	80	80	80	60	80	80	80
Set.volume(cc)	2.5	6.5	14.4	9.7	1.0	6.8	1.2	1.1
Biomass(mg/m³)	71.88	95.58	257.63	134.20	26.23	90.87	20.49	8.23
Copepoda	1242	1832	1559	970	206	1012	327	255
Amphipoda	9	14	7	2	0	25	0	0
Chaetognatha	27	52	135	103	21	186	206	80
Euphausia Adult	5	13	0	0	3	0	0	0
Euphausia Larva	33	0	103	50	4	13	9	0

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	16	16	16	15	22	22	22	22
Time	09:10	05:50	01:45	22:25	13:45	10:35	06:40	03:25
Col.depth(m)	60	80	80	80	60	80	80	80
Set.volume(cc)	8.0	3.0	0.5	7.0	0.3	1.1	0.4	1.2
Biomass(mg/m³)	151.41	53.65	28.53	114.25	7.46	9.77	6.49	8.73
Copepoda	869	786	255	978	34	236	162	138
Amphipoda	0	0	0	0	0	0	0	0
Chaetognatha	86	83	13	111	8	13	8	6
Euphausia Adult	5	1	1	1	0	0	0	0
Euphausia Larva	50	6	2	6	2	5	9	4

해양조사연보 제 32 권 (정오표)

Page	Line	Column	Error	Correct
569	上 8	右 1	80	8.0

해양조사연보 (제 32 권)
ANNUAL REPORT OF OCEANOGRAPHIC OBSERVATIONS
(Volume 32)

1984 년 8 월 30 일 인 쇄

1984 년 9 월 일 발 행

발 행 인 : 국립수산진흥원장 하 성 환

편 집 인 : 해양조사과장 임 기 봉

편집·교정 : 수산연구관 김 복 기

인 쇄 : 예 문 사 (44)3331,3192 (462)3332